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Cincinnati Univ, Ohio Southwestern Ohio Regional Computer Ctr

Prepared for

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Model State Information System
Training Program

Volume XII

PROGRAM DOCUMENTATION
Data Element Dictionary

PART 1

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Office of Water Supply
Washington, D.C.
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Task Assignment OWS-77-01

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SouthWestern Ohio Regional Computer Center
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The purpose of this manual is to provide the users of the MSIS with full descriptions of each of the data elements contained on permanent files within the system.

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Bruce O. Keith
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Project Managers, OWS-76-02

Table of Contents

I. Purpose

II. Form Description

III. Catalogue Numbers

IV. Index of Data Element Descriptions

- A. Numerical Sequence by Catalogue Number
- B. Alphabetical Sequence by Program Name

V. Data Element Descriptions

VI. Appendices

- A. Common Data Elements
- B. Code Value Table
- C. NSIS Required Data Elements
- D. EPA Required Data Elements

I. PURPOSE

The purpose of this manual is to provide the users of the Model State Information System (MSIS) with full descriptions of each of the data elements contained on permanent files within the system. As developer of this system, the SouthWestern Ohio Regional Computer Center (SWORCC) has assigned a series of unique catalogue numbers to the data elements to aid in the documentation of the system.

There are five data elements which occur in more than one permanent file. These data elements are described in Appendix A.

Some of the data element descriptions refer to the Code Value Table (CVT) for a list of acceptable values. Appendix B lists each of the data elements which appear on the various CVT's for their respective subsystems. It gives the standard, OWS approved acceptable values applying to data elements which are to be reported to EPA as well as the suggested values for data elements which can be defined to meet the States or Regions own unique needs.

II. FORM DESCRIPTION

Data Element Descriptions

The "Data Element Description" form is used to define the data element's names, descriptions, acceptable values, and usage.

The fields on this form contain the following information:

1. DATE: contains the date the form was submitted for EPA approval or the date it was last updated.

2. VERSION: contains information identifying updated versions of the form.

3. REQUESTED BY EPA TO BE REPORTED ANNUALLY: states whether or not the data element is requested to be reported to EPA.

4. MANDATED FOR MSIS PROCESSING REQUIREMENTS: states whether or not the data element is necessary for MSIS processing. If so, it must be entered on an input form when creating a new record for the particular file which contains the data element.

5. CATALOGUE NUMBER: contains the unique number which identifies the data element.

6. MNEMONIC NAME: contains the abbreviated (10 characters or less) name for the data element. This name is used in performing random selection or sorting in MSIS.

7. PROGRAM NAME: contains the COBOL (30 characters or less) name for the data element. This name is actually used in the MSIS COBOL programs.

8. DESCRIPTION AND USE: contains a brief description of the data element and how it is used.

9. DATA TYPE: contains N (numeric) or A/N (alphanumeric).

10. PICTURE: contains the ANSI COBOL standard picture (description) of the data element. The digit within the parenthesis indicates the length of the data element.

11. SOURCE(S): states from where the information for the creation of the data element comes. Generally, this is an input form.

12. **INPUT TO:** contains X's under those subsystems using the data element.

13. **OUTPUT OF:** contains X's under those subsystems producing the data element.

14. **ACCEPTABLE VALUES:** contains the acceptable values for the data element. If the acceptable values are on the Code Value Table, then the maximum number of acceptable values is listed here.

15. **EDIT CRITERIA:** contains restrictions when entering values for the data element on input forms and the error codes resulting when edit criteria are not met.

16. **ADDITIONAL COMMENTS:** contains any additional explanation necessary to further define the data element.

III. CATALOGUE NUMBERS

Unique catalogue numbers were assigned on a file-by-file basis. The numbers correspond to those that appear on the Record Definition forms under the column labeled "CAT. NO." Numbers at the end of the sequence were allowed for future expansion of the system by the user if desired. A series of data elements common to more than one subsystem are described in Appendix A.

The unique catalogue numbers were assigned as follows:

001 - 144	Regulations File (RGF)
145 - 264	Public Water File (PWF)
265 - 278	Public Water Table (PWT)
279 - 284	Code Value Table (CVT)
285 - 293	Data Element Table (DET)
294 - 297	Error Message Table (EMT)
298 - 300	Standard Error File (SEF)
301 - 307	Standard History File (SHF)
308 - 309	Optional Error File (OEF)
310 - 318	Public History File (PHF)
319 - 325	Laboratory Table (LDT)
326 - 355	Violations File (VIF)
356 - 398	Sample Analysis File (SAF)
399 - 429	Periodic Sample File (PSF)
430 - 454	Enforcement Actions File (EAF)
455 - 477	Variances and Exemptions File (VEF)
478 - 491	Operator and Mailing File (OMF)
492 - 511	Deviations File (DVF)
512 - 513	Laboratory Table Header Record
514 - 515	Public Water Table Header Record
516 - 532	Compliance Status File (CSF)
533 - 699	Numbers not assigned, left for expansion
700 - 749	Additions to Public Water System Inventory (PWSI)
750 - 799	Additions to Regulations (REGS)
800 - 849	Additions to Water Quality Compliance (WAQC)
850 - 859	Additions to Enforcement Actions (ENAC)
860 - 869	Additions to Variances and Exemptions (VAEX)
870 - 879	Additions to Operator and Mailing (OPER)
880 - 889	Additions to Federal Reporting (FEDR)
890 - 899	Additions to Standard Processing (MSIS)
900 - 999	Assigned for special uses (card codes, etc.)

IV. INDEX OF DATA ELEMENT DESCRIPTIONS

A. Numerical Sequence by Catalogue Number

CAT. NO.	PROGRAM NAME	MNEMONIC
001*	RGF-ALFA-CONTAMINANT-ID	RG-CONID
002	RGF-ALFA-REGU-LEVEL	RG-A-RGLVL
003	RGF-ALFA-CONTAM-NAME	RG-A-CONAM
004	RGF-ALFA-EFFECTIVE-DATE	RG-A-EFFDT
005	RGF-ALFA-MCL-GROSS-ALPHA	RG-A-M-GRA
006	RGF-ALFA-MCL-COMBINED-RADIUM	RG-A-M-CMR
007	RGF-ALFA-MAX-GA-WITHOUT-R228	RG-A-GAOR8
008	RGF-ALFA-MAX-GA-WITH-R228	RG-A-GAIR8
009	RGF-ALFA-R226-FOR-R228	RG-A-R6FR8
010	RGF-ALFA-MAX-R226-ANNUAL-MONIT	RG-A-R6ANM
011	RGF-ALFA-NUM-SAMPLES-PER-YEAR	RG-A-NUMSP
012	RGF-ALFA-MIN-NORM-MONITOR-FREQ	RG-A-MINFQ
013	RGF-ALFA-INITL-MONITOR-PERIOD	RG-A-INIPD
014	RGF-ALFA-FRACTION-MCL-SUBSTITU	RG-A-FRACT
015	RGF-ALFA-MIN-VIOL-MONITOR-FREQ	RG-A-MINVF
016	RGF-ALFA-ANNUAL-COMP-4-SAMPLE	RG-A-AC4SP
017	RGF-ALFA-COM-NONCOMM-BOTH	RG-A-CNCOB
018*	RGF-BETA-CONTAMINANT-ID	RG-CONID
019	RGF-BETA-REGU-LEVEL	RG-B-RGLVL
020	RGF-BETA-CONTAM-NAME	RG-B-CONAM
021	RGF-BETA-EFFECTIVE-DATE	RG-B-EFFDT
022	RGF-BETA-MCL-ANNUAL-DOSAGE	RG-B-ANMCL
023	RGF-BETA-TRITIUM-SCREENING	RG-B-TRISC
024	RGF-BETA-STRONTIUM90-SCREENING	RG-B-STRSC
025	RGF-BETA-MAJ-BETA-EM-NO-NUCL	RG-B-MBENN
026	RGF-BETA-MAJ-BETA-EM-CON-NUCL	RG-B-MBECN
027	RGF-BETA-STRON89-CES134-CON-NU	RG-B-S8C1C
028	RGF-BETA-COM-NONCOMM-BOTH	RG-B-CNCOB
029	RGF-BETA-MONIT-GRD-WTR-REQD	RG-B-MONGD
030	RGF-BETA-AVERAGE-COMPOS-SAMPLE	RG-B-AVCOM
031	RGF-BETA-MIN-POPULATION-ANNUAL	RG-B-MNPOP
032	RGF-BETA-N-NUM-SAMPLES-YEAR	RG-B-NNMSP
033	RGF-BETA-N-NORM-MONIT-FREQ	RG-B-NNMFQ
034	RGF-BETA-N-VIOL-MONIT-FREQ	RG-B-NVMFQ
035	RGF-BETA-C-NUM-IODINE-SAMPLES	RG-B-CNIOS
036	RGF-BETA-C-NUM-STRONT-SAMPLES	RG-B-CNSTS
037	RGF-BETA-C-IODINE-MONIT-FREQ	RG-B-CIOMF
038	RGF-BETA-C-STRONT-MONIT-FREQ	RG-B-CSTMF
039	RGF-BETA-C-VIOL-MONIT-FREQ	RG-B-CVMFQ
040	RGF-BETA-C-IODINE131-CONS-SPL	RG-B-CIOSP
041*	RGF-CHEM-CONTAMINANT-ID	RG-CONID
042	RGF-CHEM-REGU-LEVEL	RG-C-RGLVL
043	RGF-CHEM-CONTAM-NAME	RG-C-CONAM
044	RGF-CHEM-REASON-CODE	RG-C-RSNCD

045	RGF-CHEM-MCL-UNITS	RG-C-MCLUN
046	RGF-CHEM-MCL	RG-C-MCL
047	RGF-CHEM-MCL-DECIMALS	RG-C-MCLDC
048	RGF-CHEM-MCL-LOW-LIMIT	RG-C-MCLOW
049	RGF-CHEM-MCL-LOW-DECIMALS	RG-C-MCLOD
050	RGF-CHEM-MCL-HIGH-LIMIT	RG-C-MCLHI
051	RGF-CHEM-MCL-HIGH-DECIMALS	RG-C-MCLHD
052	RGF-CHEM-MCL-CHECK-SAMPLES	RG-C-CKSAM
053	RGF-CHEM-MCL-SEASONAL-CODE	RG-C-SEACD
054	RGG-CHEM-MCL-SPECIAL-CODE	RG-C-SPECD
055	RGF-CHEM-MCL-MIN-TIME	RG-C-MINTM
056	RGF-CHEM-MCL-CHECK-PERIOD	RG-C-CHKPD
057	RGF-CHEM-COM-EFFECTIVE-DATE	RG-C-CEFDT
058	RGF-CHEM-COM-GRD-YRS-FST	RG-C-CGRYR
059	RGF-CHEM-COM-GRD-SAMPLE-FREQ	RG-C-CGSPF
060	RGF-CHEM-COM-GRD-VIOL-FREQ	RG-C-CGVFQ
061	RGF-CHEM-COM-GRD-MIN-NEG	RG-C-CGMNG
062	RGF-CHEM-COM-SUR-YRS-FST	RG-C-CSRYR
063	RGF-CHEM-COM-SUR-SAMPLE-FREQ	RG-C-CSSPF
064	RGF-CHEM-COM-SUR-VIOL-FREQ	RG-C-CSVFQ
065	RGF-CHEM-COM-SUR-MIN-NEG	RG-C-CSMNG
066	RGF-CHEM-NCOM-EFFECTIVE-DATE	RG-C-NEFDT
067	RGF-CHEM-NCOM-GRD-YRS-FST	RG-C-NGRYR
068	RGF-CHEM-NCOM-GRD-SAMPLE-FREQ	RG-C-NGSPF
069	RGF-CHEM-NCOM-GRD-VIOL-FREQ	RG-C-NGVFQ
070	RGF-CHEM-NCOM-GRD-MIN-NEG	RG-C-NGMNG
071	RGF-CHEM-NCOM-SUR-YRS-FST	RG-C-NSRYR
072	RGF-CHEM-NCOM-SUR-SAMPLE-FREQ	RG-C-NSSPF
073	RGF-CHEM-NCOM-SUR-VIOL-FREQ	RG-C-NSVFQ
074	RGF-CHEM-NCOM-SUR-MIN-NEG	RG-C-NSMNG
075*	RGF-EMIT-CONTAMINANT-ID	RG-CONID
076	RGF-EMIT-REGU-LEVEL	RG-E-RGLVL
077	RGF-EMIT-TABLE-ID	RG-E-TBLID
078	RGF-EMIT-EFFECTIVE-DATE	RG-E-EFFDT
079	RGF-EMIT-CONTAM-NAME	RG-E-CONAM
080	RGF-EMIT-ANNUAL-CONCENT-EQUIV	RG-E-ANCON
081	RGF-EMIT-DETECTION-LIMIT	RG-E-DETLM
082*	RGF-EMIT-NUCL-FACILITY-CODE	RG-F-NPPCD
083*	RGF-FLOR-CONTAMINANT-ID	RG-CONID
084	RGF-FLOR-REGU-LEVEL	RG-F-RGLVL
085	RGF-FLOR-TABLE-ID	RG-F-TBLID
086	RGF-FLOR-TEMP-FAHR-LOW	RG-F-TRFLO
087	RGF-FLOR-TEMP-FAHR-HIGH	RG-F-TRFHI
088	RGF-FLOR-TEMP-CENT-LOW	RG-F-TRCLO
089	RGF-FLOR-TEMP-CENT-HIGH	RG-F-TRCHI
090	RGF-FLOR-TEMP-RANGE-MCL	RG-F-TRMCL
091	RGF-FLOR-REAS-FAHR-LOW	RG-F-RBFLO
092	RGF-FLOR-REAS-FAHR-HIGH	RG-F-RBFHI
093	RGF-FLOR-REAS-CENT-LOW	RG-F-RBCLO
094	RGF-FLOR-REAS-CENT-HIGH	RG-F-RBCHI
095*	RGF-BACT-CONTAMINANT-ID	RG-CONID
096	RGF-BACT-REGU-LEVEL	RG-M-RGLVL
097	RGF-BACT-CONTAM-NAME	RG-M-CCNAM

098	RGF-BACT-EFFECTIVE-DATE	RG-M-EFFDT
099	RGF-BACT-MF-SINGLE-SAMPLE-MCL	RG-M-MF-SM
100	RGF-BACT-MF-MONTHLY-MCL	RG-M-MF-MT
101	RGF-BACT-MF-PERCENT-SAMPLES	RG-M-MF-PS
102	RGF-BACT-MF-MIN-REQD-SAMPLES	RG-M-MF-MR
103	RGF-BACT-MF-MCL-FOR-PERCENT	RG-M-MF-MC
104	RGF-BACT-FT-SINGLE-SAMPLE-MCL	RG-M-FT-SM
105	RGF-BACT-FT-MONTHLY-MCL	RG-M-FT-MT
106	RGF-BACT-FT-PERCENT-SAMPLES	RG-M-FT-PS
107	RGF-BACT-FT-MIN-REQD-SAMPLES	RG-M-FT-MR
108	RGF-BACT-FT-MCL-FOR-PERCENT	RG-M-FT-MC
109	RGF-BACT-FH-SINGLE-SAMPLE-MCL	RG-M-FH-SM
110	RGF-BACT-FH-MONTHLY-MCL	RG-M-FH-MT
111	RGF-BACT-FH-PERCENT-SAMPLES	RG-M-FH-PS
112	RGF-BACT-FH-MIN-REQD-SAMPLES	RG-M-FH-MR
113	RGF-BACT-FH-MCL-FOR-PERCENT	RG-M-FH-MC
114	RGF-BACT-REQMNTS-MAX-SAMPLES	RG-M-RQMAX
115	RGF-BACT-REQMNTS-SAMPLE-PERIOD	RG-M-RQSPD
116	RGF-BACT-CHK-MIN-DAILY-SAMPLES	RG-M-CKCDS
117	RGF-BACT-CHK-MIN-NEG-PORTIONS	RG-M-CKMNP
118	RGF-BACT-CHK-MIN-MEMBRANE-FILT	RG-M-CKMCB
119	RGF-BACT-CHL-SAMPLES-IN-LIEU	RG-M-C-LEU
120	RGF-BACT-CHL-MAX-PERCENT	RG-M-C-MXP
121	RGF-BACT-CHL-MIN-CHLORINE-LVL	RG-M-C-MCL
122	RGF-BACT-CHL-MAX-TIME-RETEST	RG-M-C-MXT
123	RGF-BACT-NCOM-EFFECTIVE-DATE	RG-M-NEFDT
124	RGF-BACT-NCOM-SEASONAL-CODE	RG-M-NSEAS
125	RGF-BACT-NCOM-SAMPLING-PERIOD	RG-M-NPERD
126	RGF-BACT-NCOM-SAMPLE-FREQ	RG-M-NSPFQ
127*	RGF-BPOP-CONTAMINANT-ID	RG-CONID
128	RGF-BPOP-REGU-LEVEL	RG-P-RGLVL
129	RGF-BPOP-TABLE-ID	RG-P-TBLID
130	RGF-BPOP-TBL-FROM-POPULATION	RG-P-T-FRM
131	RGF-BPOP-TBL-TO-POPULATION	RG-P-T-TOP
132	RGF-BPOP-TBL-SAMPLE-FREQ	RG-P-T-FRQ
133*	RGF-TURB-CONTAMINANT-ID	RG-CONID
134	RGF-TURB-REGU-LEVEL	RG-T-RGLVL
135	RGF-TURB-CONTAM-NAME	RG-T-CONAM
136	RGF-TURB-MONTHLY-MCL	RG-T-MOMCL
137	RGF-TURB-CONSECUTIVE-MCL	RG-T-CNMCL
138	RGF-TURB-CONSECUTIVE-SAMPLES	RG-T-CNSPL
139	RGF-TURB-EFFECTIVE-DATE	RG-T-EFFDT
140	RGF-TURB-ALL-SOURCES	RG-T-ALLSR
141	RGF-TURB-REPEAT-INCLUDED	RG-T-RPTIN
142	RGF-TURB-COM-SAMPLE-FREQ	RG-T-CSPFQ
143	RGF-TURB-NCOM-SAMPLE-FREQ	RG-T-NSPFQ
144	RGF-TURB-MAX-RESAMPLING-PERIOD	RG-T-MRSPL
145	PWF-ID	PW-ID
146	PWF-PLANT-OWNER-NAME	PW-OWNA
147	PWF-PLANT-STREET	PW-PL-STRT
148	PWF-PLANT-CITY	PW-PL-CITY
149	PWF-PLANT-STATE	PW-PL-STAT

150	PWF-PLANT-ZIP-CODE	PW-PL-ZIP
151	PWF-MAILING-NAME	PW-MA-NAME
152	PWF-MAILING-STREET	PW-MA-STRT
153	PWF-MAILING-CITY	PW-MA-CITY
154*	PWF-MAILING-STATE	PW-MA-STAT
155	PWF-MAILING-ZIP-CODE	PW-MA-ZIP
156	PWF-MAILING-AREA-CODE	PW-MA-ARCO
157	PWF-MAILING-PHONE-NUMBER	PW-MA-PNUM
158	PWF-PLANT-AREA-CITY-NAME	PW-PL-ACTY
159	PWF-PLANT-AREA-COUNTY-CODE	PW-PL-ACNT
160	PWF-PLANT-INDIAN-RESERVATION	PW-PL-RESR
161	PWF-PLANT-RESIDENTIAL	PW-PL-RESI
162	PWF-PLANT-COMPANY-TOWN	PW-PL-COMP
163	PWF-PLANT-RECREATION	PW-PL-RECR
164	PWF-PLANT-MOBILE-HOMES	PW-PL-MOHO
165	PWF-PLANT-INSTITUTION	PW-PL-INST
166	PWF-PLANT-SCHOOL	PW-PL-SCHL
167	PWF-PLANT-MOTEL	PW-PL-MOTL
168	PWF-PLANT-RESTAURANT	PW-PL-REST
169	PWF-PLANT-SERVICE-STATION	PW-PL-SSTA
170	PWF-PLANT-CAMPGROUND	PW-PL-CAMP
171	PWF-PLANT-PICNIC-AREA	PW-PL-PIC
172	PWF-PLANT-LODGE	PW-PL-LODG
173	PWF-PLANT-MARINA	PW-PL-MARI
174	PWF-PLANT-SKI-RESORT	PW-PL-SKI
175	PWF-PLANT-BATHING	PW-PL-BATH
176	PWF-PLANT-VISITOR-CENTER	PW-PL-VCTR
177	PWF-PLANT-HWY-REST-AREA	PW-PL-HWY
178	PWF-PLANT-AIRPORT	PW-PL-AIR
179	PWF-PLANT-OTHER-AREA	PW-PL-OTHR
180	PWF-PLANT-CONSECUTIVE-NUM-PWS	PW-PL-CNUM
181	PWF-PLANT-INTERSTATE-CARRIER	PW-PL-CARR
182	PWF-PLANT-TYPE	PW-PL-TYPE
183	PWF-PLANT-POPULATION-SERVED	PW-PL-POPL
184	PWF-PLANT-SERVICES-NUMBER	PW-PL-SNUM
185	PWF-PLANT-METERS-NUMBER	PW-PL-MNUM
186	PWF-PLANT-AVERAGE-PRODUCTION	PW-PL-AVPR
187	PWF-PLANT-DESIGN-CAPACITY	PW-PL-DECA
188	PWF-PLANT-EMERGENCY-POWER	PW-PL-EMER
189	PWF-PLANT-STORAGE-CAPACITY	PW-PL-STCA
190	PWF-PLANT-MAX-PRODUCTION	PW-PL-MAXP
191	PWF-PLANT-BEGIN-DATE	PW-PL-BEGN
192	PWF-PLANT-LAST-SURVEY-DATE	PW-PL-SURV
193	PWF-PLANT-COMPLIANCE-CYCLE	PW-PL-CYCL
194	PWF-PLANT-ACTIVITY	PW-PL-ACTV
195	PWF-PLANT-DEACTIVATION-DATE	PW-PL-DDAT
196	PWF-PLANT-DEACTIVATION-REASON	PW-PL-DREA
197	PWF-PLANT-MANUAL-FILE	PW-PL-MANU
198*	PWF-STATE-POSTAL-CODE	PW-S-CODE
199	PWF-STATE-REGULATE-BY	PW-S-REGE
200	PWF-STATE-REGION	PW-S-REGN
201	PWF-STATE-DISTRICT	PW-S-DIST
202	PWF-STATE-BACTERIOLOGICAL-FLG	PW-S-BFLG

203	PWF-STATE-MONTHLY-MONITORING	PW-S-MONT
204	PWF-STATE-NO-OF-SAMPLES	PW-S-NSAM
205	PWF-STATE-SEASON-BEGIN	PW-S-SBGN
206	PWF-STATE-SEASON-END	PW-S-SEND
207	PWF-STATE-MIN-NO-DAILY-CHECKS	PW-S-MDCK
208	PWF-STATE-NCOM-SAMPLE-FREQ	PW-S-NSPFQ
209	PWF-STATE-MCL-HALT-CHECK-SAMP	PW-S-HCKS
210	PWF-STATE-CHLORINE	PW-S-CLOR
211	PWF-STATE-TURBIDITY-FLAG	PW-S-TFLG
212	PWF-STATE-TURBIDITY-UNITS	PW-S-TBUN
213*	PWF-STATE-CONTAMINANT-ID-CHEM	PW-S-CONID
214	PWF-STATE-SAMPLING-FREQUENCY	PW-S-SPFQ
215*	PWF-STATE-ORGANIC-BEGIN-PERIOD	PW-S-ORBGN
216	PWF-STATE-ORGANIC-END-PERIOD	PW-S-OREND
217	PWF-STATE-AIR-TEMPERATURE	PW-S-ATEM
218	PWF-STATE-NITRATE-FREQUENCY	PW-S-NITR
219	PWF-STATE-RADIOACTIVE-FLAG	PW-S-RFLG
220	PWF-STATE-RADIOACTIVE-MONITOR	PW-S-RMON
221	PWF-STATE-BETA-FREQ-MONTHS	PW-S-BETA
222	PWF-STATE-NUCLEAR-FACILITY	PW-S-NUCL
223*	PWF-STATE-NUCLEAR-FAC-TYPE1	PW-S-FATY1
224*	PWF-STATE-FAC-CONTAMINANT-ID	PW-S-FACON
225	PWF-STATE-CONTAMINANT-FREQ	PW-S-CFREQ
226	PWF-STATE-MONITOR-GROSS-ALPHA	PW-S-GALP
227	PWF-STATE-MONITOR-RADIUM-MTHS	PW-S-RADM
228	PWF-STATE-NUM-SAMPLES-PER-YR	PW-S-NUMSP
229	PWF-STATE-GROUND-WATER-MONITOR	PW-S-GWATR
230	PWF-STATE-REPORT-REQUIRED	PW-S-RREQ
231	PWF-STATE-LAST-REPORT-DATE	PW-S-LAST
232	PWF-STATE-ENGLISH-METRIC-SYSTM	PW-S-ENGM
233	PWF-STATE-RESERVE-FOR-STATE	PW-S-RESV
234	PWF-LAST-UPDATE-DATE	PW-LST-UP
235	PWF-LAB-ID	PW-LA-ID
236	PWF-LAB-CAPTIVE-FLAG	PW-LA-CFLG
237	PWF-OWNER-TYPE	PW-OW-TYPE
238*	PWF-VAEX-CONTAMINANT-ID	PW-VE-CTAM
239	PWF-VAEX-MODIFIED-MCL	PW-VE-MCL
240	PWF-VAEX-MODIFIED-MCL-DEC	PW-VE-DEC
241	PWF-VAEX-ALT-MONITOR-FREQ	PW-VE-AMF
242	PWF-PLANT-SOURCES-NUMBER	PW-PL-SONM
243	PWF-PLANT-SOURCE-NAME	PW-PL-SONA
244	PWF-PLANT-SOURCE-CODE	PW-PL-SOCO
245	PWF-PLANT-NUM-OF-WELLS	PW-PL-WELL
246	PWF-PLANT-AVAILABILITY	PW-PL-AVAL
247	PWF-PLANT-BASIN-NUMBER	PW-PL-BASN
248	PWF-PLANT-LATITUDE	PW-PL-LATI
249	PWF-PLANT-LONGITUDE	PW-PL-LONG
250	PWF-PLANT-SELLER-ID	PW-PL-SLID
251	PWF-PLANT-AERATION	PW-PL-AERA
252	PWF-PLANT-PRECHLORINATION	PW-PL-PREC
253	PWF-PLANT-COAGULATION	PW-PL-COAG
254	PWF-PLANT-SEDIMENTATION	PW-PL-SEDI
255	PWF-PLANT-FILTRATION	PW-PL-FILT

256	PWF-PLANT-CORROSION-CNTRL	PW-PL-CORR
257	PWF-PLANT-SOFTENING	PW-PL-SOFT
258	PWF-PLANT-TASTE-ODOR	PW-PL-TAST
259	PWF-PLANT-IRON-REMOVAL	PW-PL-IRON
260	PWF-PLANT-AMMONIATION	PW-PL-AMMO
261	PWF-PLANT-FLUORIDE-ADJUSTMENT	PW-PL-FLOR
262	PWF-PLANT-DISINFECTION	PW-PL-DISI
263	PWF-PLANT-OTHER-TREATMENT	PW-PL-OTHR
264	PWF-PLANT-RESERVE	PW-PL-RESR
265	PWT-RELATIVE-REC-NUMBER	
266	PWT-ID	
267	PWT-MAILING-NAME	
268	PWT-MAILING-STREET	
269	PWT-MAILING-CITY	
270*	PWT-MAILING-STATE	
271	PWT-MAILING-ZIP-CODE	
272	PWT-MAILING-AREA-CODE	
273	PWT-MAILING-PHONE-NUMBER	
274	PWT-STATE-REGION	
275	PWT-STATE-DISTRICT	
276	PWT-PLANT-TYPE	
277	PWT-PLANT-POPULATION-SERVED	
278	PWT-PLANT-COMPLIANCE-CYCLE	
279	CVT-CARD-CODE	
280	CVT-FILE-ID	
281	CVT-CATALOGUE-NO	
282	CVT-DATA-EL-VALUE	
283	CVT-DATA-LENGTH	
284	CVT-DATA-EL-DESC	
285	DET-CARD-CODE	
286	DET-FILE-ID	
287	DET-CATALOGUE-NO	
288	DET-START-POSITION	
289	DET-FILE-START-POSITION	
290	DET-DATA-LENGTH	
291	DET-INPUT-LENGTH	
292	DET-MNEMONIC-NAME	
293	DET-HISTORY-CODE	
294	EMT-CARD-CODE	
295	EMT-FILE-ID	
296	EMT-ERROR-CODE	
297	EMT-ERROR-MESSAGE	
298	SEF-TRANSACTION	
299	SEF-CATALOGUE-NO	
300	SEF-ERROR-CODE	
301	SHF-FILE-ID	SH-FILE-ID
302	SHF-RECORD-ID	SH-REC-ID

303	SHF-CATALOGUE-NO	SH-CAT-NO
304	SHF-CUR-UPDATE-DATE	SH-CUR-UP
305	SHF-LAST-UPDATE-DATE	SH-LST-UP
306	SHF-OLD-VALUE	SH-OLD-VAL
307	SHF-NEW-VALUE	SH-NEW-VAL
308	OEF-MAX-KEY	
309	OEF-REST-OF-TRAN	
310	PHF-PWS-ID	PH-PWS-ID
311	PHF-CATALOGUE-NO	PH-CAT-NO
312	PHF-CUR-UPDATE-DATE	PH-CUR-UP
313	PHF-PLANT-OWNER-NAME	PH-PW-NAME
314	PHF-STATE-REGION	PH-S-REGN
315	PHF-STATE-DISTRICT	PH-S-DIST
316	PHF-LAST-UPDATE-DATE	PH-LST-UP
317	PHF-OLD-VALUE	PH-OLD-VAL
318	PHF-NEW-VALUE	PH-NEW-VAL
319	LBT-LAB-ID	LB-ID
320	LBT-CONTAMINANT-GROUP	LB-CONTGRP
321	LBT-OWNER-TYPE	LB-OW-TYPE
322	LBT-LAB-NAME	LB-NAME
323	LBT-EXPIRATION-DATE	LB-EXP-DT
324	LBT-RELATIVE-RECORD	LB-REL-REC
325	LBT-METHOD-COUNT	LB-METHCNT
326	VIF-PWS-ID	VI-PWS-ID
327	VIF-PWS-NAME	VI-PWS-NAM
328	VIF-PWS-TYPE	VI-PWS-TYP
329	VIF-POPULATION	VI-POPULAT
330	VIF-REGULATION-LEVEL	VI-REG-LVL
331*	VIF-CONTAMINANT-ID	VI-CONT-ID
332	VIF-SOURCE-CODE	VI-SRC-CD
333	VIF-LAB-ID	VI-LAB-ID
334	VIF-LAB-NAME	VI-LAB-NAM
335	VIF-SAMPLE-DATE	VI-SPLDATE
336	VIF-SAMPLES-NUM-REQUIRED	VI-SPLREQD
337	VIF-SAMPLES-NUM-TAKEN	VI-SPLTAKN
338	VIF-ANALYSIS-METHOD	VI-AN-METH
339	VIF-ANALYSIS-RESULT	VI-AN-RESL
340	VIF-ANALYSIS-DECIMALS	VI-AN-DEC
341	VIF-ANALYSIS-DATE	VI-ANDATE
342	VIF-SAMPLING-CUTOFF-DATE	VI-SAMPLCT
343*	VIF-VIOLATION-TYPE	VI-VIOL-TP
344	VIF-VIOLATION-DATE	VI-VIOL-DT
345	VIF-MCL-VIOLATED	VI-MCLVIOL
346	VIF-MCL-VIOL-DECIMALS	VI-MCLDEC
347	VIF-SAMPLING-FREQ-VIOL	VI-SPLVIOL
348	VIF-NUM-SAMPLES-VIOL	VI-NUMSPVI
349	VIF-VIOLATION-DURATION	VI-VIOLDUR
350	VIF-NOTIFY-PUBLIC	VI-NOTIPUB
351	VIF-NOTIFY-STATE	VI-NOTISTA

352	VIF-REGION	VI-REGION
353	VIF-DISTRICT	VI-DISTRIC
354	VIF-SAMPLE-TYPE	VI-SPLTYPE
355	VIF-SAMPLE-KEY	VI-SPLKEY
356	SAF-PWS-ID	SA-PWS-ID
357*	SAF-CONTAMINANT-ID	SA-CONID
358	SAF-SAMPLE-ID-CODE	SA-SAMPLID
359	SAF-SAMPLE-TYPE	SA-SAMPLTP
360	SAF-SAMPLE-DATE	SA-SAMPLDT
361	SAF-SAMPLE-TIME	SA-SAMPLTM
362	SAF-SAMPLE-KEY	SA-SAMPLKY
363	SAF-RECORD-TYPE	SA-RECDTYP
364	SAF-PWS-TYPE	SA-PWS-TYP
365	SAF-POPULATION-SERVED	SA-POP-SRV
366	SAF-SOURCE-CODE	SA-SOURCE
367	SAF-ANALYSIS-METHOD	SA-AN-METH
368	SAF-LAB-ID	SA-LAB-ID
369	SAF-LAB-OWNER-TYPE	SA-LAB-OWN
370	SAF-DETL-ANALYSIS-RESULT	SA-D-ANRSL
371	SAF-DETL-ANALYSIS-DECIMALS	SA-D-ANDEC
372	SAF-DETL-ANALYSIS-DATE	SA-D-ANDTE
373	SAF-SUMM-HIGHEST-RESULT	SA-S-HIRSL
374	SAF-SUMM-HIGH-DECIMALS	SA-S-HIDEC
375	SAF-SUMM-LOWEST-RESULT	SA-S-LORSL
376	SAF-SUMM-LOW-DECIMALS	SA-S-LODEC
377	SAF-SUMM-MEAN-RESULT	SA-S-MNRSL
378	SAF-SUMM-MEAN-DECIMALS	SA-S-MNDEC
379	SAF-REQUIRED-NUM-SAMPLES	SA-REQ-SPL
380	SAF-ACTUAL-NUM-SAMPLES	SA-ACT-SPL
381	SAF-SAMPLE-PERIOD-START	SA-PRD-STR
382	SAF-SAMPLE-PERIOD-END	SA-PRD-END
383	SAF-REGULAR-SAMPLE-DATE	SA-RGLRSPL
384	SAF-SAMPLING-CUTOFF-DATE	SA-SAMPLCT
385	SAF-NEXT-SAMPLE-DUE-DATE	SA-SAMPLDU
386	SAF-AIR-TEMPERATURE	SA-AIR-TMP
387	SAF-CHECK-SAMPLE-FEDERAL	SA-CHK-FED
388	SAF-CHECK-SAMPLE-STATE	SA-CHK-STA
389	SAF-CHECK-SAMPLE-NUMBER	SA-CHK-NUM
390	SAF-VARIANCE-MCL	SA-VAR-MCL
391	SAF-VARIANCE-DECIMALS	SA-VAR-DEC
392	SAF-FEDERAL-VIOLATIONS	SA-FED-VIO
393	SAF-STATE-VIOLATIONS	SA-STA-VIO
394	SAF-VIOLATION-DURATION	SA-VIO-DUR
395	SAF-NOTIFIED-PUBLIC	SA-NOTIPUB
396	SAF-NOTIFIED-STATE	SA-NOTISTA
397	SAF-MCL-VIOL-FLAG	SA-MCLVIFL
398	SAF-MCL-VIOL-F-VALUE	SA-MCLVFVL
399	PSF-PWS-ID	PS-PWS-ID
400*	PSF-CONTAMINANT-ID	PS-CONID
401	PSF-SAMPLE-ID-CODE	PS-SAMPLID
402	PSF-SAMPLE-TYPE	PS-SAMPLTP

403	PSF-SAMPLE-DATE	PS-SAMPLDT
404	PSF-SAMPLE-TIME	PS-SAMPLTM
405	PSF-SAMPLE-KEY	PS-SAMPLKY
406	PSF-RECORD-TYPE	PS-RECDTYP
407	PSF-ANALYSIS-METHOD	PS-AN-METH
408	PSF-LAB-ID	PS-LAB-ID
409	PSF-DETL-ANALYSIS-RESULT	PS-D-ANRSL
410	PSF-DETL-ANALYSIS-DECIMALS	PS-D-ANDEC
411	PSF-DETL-ANALYSIS-DATE	PS-D-ANDTE
412	PSF-SUMM-HIGHEST-RESULT	PS-S-HIRSL
413	PSF-SUMM-HIGH-DECIMALS	PS-S-HIDEC
414	PSF-SUMM-LOWEST-RESULT	PS-S-LORSL
415	PSF-SUMM-LOW-DECIMALS	PS-S-LODEC
416	PSF-SUMM-MEAN-RESULT	PS-S-MNRSL
417	PSF-SUMM-MEAN-DECIMALS	PS-S-MNDEC
418	PSF-REQUIRED-NUM-SAMPLES	PS-REQ-SPL
419	PSF-ACTUAL-NUM-SAMPLES	PS-ACT-SPL
420	PSF-SAMPLE-PERIOD-START	PS-PRD-STR
421	PSF-SAMPLE-PERIOD-END	PS-PRD-END
422	PSF-CHECK-SAMPLE-FEDERAL	PS-CHK-FED
423	PSF-CHECK-SAMPLE-STATE	PS-CHK-STA
424	PSF-CHECK-SAMPLE-NUMBER	PS-CHK-NUM
425	PSF-FEDERAL-VIOLATIONS	PS-FED-VIO
426	PSF-STATE-VIOLATIONS	PS-STA-VIO
427	PSF-VIOLATION-DURATION	PS-VIO-DUR
428	PSF-NOTIFIED-PUBLIC	PS-NOTIPUB
429	PSF-NOTIFIED-STATE	PS-NOTISTA
430	EAF-CASE-ID	EA-CASE-ID
431	EAF-CASE-REF	EA-CASE-RE
432	EAF-CASE-NAME	EA-CASENAM
433	EAF-ACTION-DATE	EA-ACT-DAT
434	EAF-CLOSE-OPEN-INDIC	EA-CLOSE
435	EAF-PLAINTIFF-TYPE	EA-PLNTYPE
436	EAF-PLAINTIFF-NAME	EA-PLNNAME
437	EAF-DEFENDANT-TYPE	EA-DEFTYPE
438	EAF-DEFENDANT-NAME	EA-DEFNAME
439	EAF-CONSENT-ORDER-NO	EA-ORDERNO
440	EAF-CONS-ORD-DATE	EA-ORDATE
441	EAF-PERMIT-NO	EA-PERNO
442	EAF-PERMIT-DATE	EA-PERDATE
443	EAF-PWS-ID	EA-PWS-ID
444*	EAF-PWS-STATE	EA-STATE
445	EAF-VIOLATION-DATE	EA-VIL-DAT
446*	EAF-CONTAMINANT-ID	EA-CON-ID
447*	EAF-VIOLATION-TYPE	EA-VIOL-TP
448	EAF-CASE-ABSTRACT	EA-ABSTRAC
449	EAF-LEGAL-STATUS	EA-LEGALST
450	EAF-LAST-UPDATE-DATE	EA-LST-UP
451	EAF-MILESTONE-NO	EA-MISTONE
452	EAF-TARGET-DATE	EA-TAR-DT
453	EAF-MILESTONE-ATTAINED-DATE	EA-ATT-DAT
454*	EAF-MILESTONE-CODE	EA-MIL-COD

455	VEF-ID	VE-ID
456	VEF-REVISED-ID-REFERENCE	VE-ID-REF
457	VEF-PWS-ID	VE-PWS-ID
458	VEF-VE-TYPE	VE-TYPE
459	VEF-EFFECTIVE-DATE	VE-EFF-DT
460	VEF-EXPIRATION-DATE	VE-EXP-DT
461	VEF-STATUS-CODE	VE-STATUS
462*	VEF-CONTAMINANT-ID	VE-CON-ID
463	VEF-MODIFIED-MCL	VE-MOD-MCL
464	VEF-MODIFIED-MCL-DEC	VE-MOD-DEC
465	VEF-TREATMENT-CODE	VE-TREAT
466	VEF-ALTERNATE-TREATMENT	VE-ALT-TRT
467	VEF-MODIFIED-FREQUENCY	VE-MOD-FRE
468	VEF-CASE-ABSTRACT	VE-ABSTRAC
469	VEF-REASON-CODE	VE-REASON
470	VEF-LAST-UPDATE-DATE	VE-LST-UP
471	VEF-MILESTONE-NO	VE-MISTONE
472	VEF-MILESTONE-REPEAT	VE-REPEAT
473	VEF-TARGET-DATE	VE-TAR-DT
474	VEF-MILESTONE-ATTAINED-DATE	VE-ATT-DT
475*	VEF-MILESTONE-CODE	VE-MIL-COD
476	VEF-DELAY-CODE	VE-DEL-CD
477	VEF-MILESTONE-ABSTRACT	VE-MIL-ABS
478	OMF-ADDRESSEE-ID	OM-ADS-ID
479	OMF-ADDRESSEE-TYPE	OM-ADS-TYP
480	OMF-ADDRESSEE-NAME	OM-ADS-NAM
481	OMF-ADDRESSEE-STREET	OM-ADS-STR
482	OMF-ADDRESSEE-CITY	OM-ADS-CTY
483*	OMF-ADDRESSEE-STATE	OM-ADS-STA
484	OMF-ADDRESSEE-ZIP-CODE	OM-ADS-ZIP
485	OMF-AREA-CODE	OM-AREA-CD
486	OMF-PHONE-NUMBER	OM-PH-NUM
487	OMF-LAST-UPDATE-DATE	OM-LST-UPD
488	OMF-CERTIFICATE-NUMBER	OM-CER-NUM
489	OMF-PWS-ID	OM-PWS-ID
490	OMF-OPERATOR-CLASS	OM-OP-CLS
491	OMF-RENEWAL-DATE	OM-RNL-DT
492	DVF-PWS-ID	
493	DVF-DEVIATION-TYPE	
494	DVF-DEVIATION-ID	
495*	DVF-STATE-CODE	
496	DVF-DEVIATION-CODE	
497	DVF-STATUS-CODE	
498*	DVF-CONTAMINANT-ID	
499	DVF-MODIFIED-MCL	
500	DVF-MODIFIED-MCL-DEC	
501	DVF-TREATMENT-CODE	
502	DVF-ALTERNATE-TREATMENT	
503	DVF-MODIFIED-FREQUENCY	
504	DVF-EXPIRATION-VIOLATION-DATE	
505	DVF-VIOLATION-DURATION	

506*	DVF-MILESTONE-CODE	
507	DVF-TARGET-DATE	
508	DVF-LAB-OWNER-TYPE	
509	DVF-ANALYSIS-METHOD	
510	DVF-ANALYSIS-RESULT	
511	DVF-ANALYSIS-DECIMAL	
512	LBT-HDR-RECORDS-ON-FILE	
513	LBT-HDR-RECORDS-PER-TRACK	
514	PWT-HEADER-NO-OF-RECORDS	
515	PWT-HEADER-RECS-PER-TRK	
516	CSF-PWS-ID	
517*	CSF-CONTAMINANT-ID	
518	CSF-SDF-RSPD-START	
519	CSF-SDF-RSPD-END	
520	CSF-SDF-CSPD-START	
521	CSF-SDF-CSPD-END	
522	CSF-SDS-RSPD-START	
523	CSF-SDS-RSPD-END	
524	CSF-SDS-CSPD-START	
525	CSF-SDS-CSPD-END	
526	CSF-VE-START-DATE	
527	CSF-VE-END-DATE	
528	CSF-VE-MOD-MCL	
529	CSF-VE-ALT-SFLG	
530	CSF-SCHED-START-DATE	
531	CSF-SCHED-END-DATE	
532	CSF-SCHED-NUM-SAMPLES	
701	PWF-PLANT-CONSEC-INDICATOR	PW-PL-COIN
702*	PWF-STATE-NUCLEAR-FAC-TYPE2	PW-S-FATY2
703	PWT-PLANT-SOURCE-CODE	
800	VIF-DATE-LAST-REPORT	VI-DT-RPT
801	VIF-TIME-SINCE-LAST-REPORT	VI-LST-RPT
802	VIF-LAB-OWNER-TYPE	VI-LAB-OWN
803	VIF-VIOLATION-ID	VI-VIOL-ID
804	VIF-LAST-UPDATE	VI-LSTUPDT
805	VIF-REMARKS	VI-REMARKS
806	VIF-MCL-VIOL-SAMPL-START-DATE	VI-MCLVSSD
807	SAF-R-REGION	SA-REGION
808	SAF-R-DISTRICT	SA-DISTRIC
809	SAF-MCL-VIOL-F-DECIMALS	SA-MCLVFDC
810	SAF-MCL-VIOL-S-VALUE	SA-MCLVSVL
811	SAF-MCL-VIOL-S-DECIMALS	SA-MCLVSDC
812	SAF-MCL-VIOL-SAMPLE-START-DATE	SA-MCLVSSD
813	SAF-FL-FED-USED-FOR-COMP	SA-FL-FUFC
814	SAF-FL-STATE-USED-FOR-COMP	SA-FL-SUFC
815	SAF-FED-SSC	SA-F-SSC
816	SAF-STATE-SSC	SA-S-SSC
817	PSF-TRANSACTION-CODE	PS-TRAN-CD

818	PSF-ERROR-INDICATOR	PS-ERR-IND
819	PSF-LAB-OWNER-TYPE	PS-LAB-OWN
820	LBT-ANALYSIS-METHOD	LB-METHOD
900	PSF-SAMPLE-TYPE	PS-SMPLDT
901	PSF-SAMPLE-DATE	PS-SMPLDT
902	PSF-LAB-ID	PS-LB-ID
903	OMF-TRAN-CODE01	OM-TRAN-CD
904	EAFI-ADD-DEL-REQ-TRAN-CODE	EA-TRAN-CD
905	VEFI-TRAN-CODE00	VE-TRAN-CD
906	PWFI-TRAN-CODE0-98-99	PW-TRAN-CD
907	EAFI-ADD-DEL-REQ-DECISION	EA-CRDT-CD
908	OMFI-CREATE-DELE-FLAG	OM-CRDT-CD
909	VEFI-CREATE-DELE-FLAG	VE-CRDT-CD
910	PWFI-TRAN-CHECK	PW-CRDT-CD
911	EAFI-DELETE-CODE	EA-DEL-CD
912	PWFI-TRAN-CHECK	PW-OCCUR1
913	PWFI-TRAN-CODE0-98-99	PW-OCCUR2
914	RG1-CHM1-CARD-CODE	TRAN-CODE
915	VIFI-TROO-TRANSACTION-CODE	VI-TRAN-CD
916	VIFI-TROO-CREATE-DELETE-FLAG	VI-CRDT-CD
917	SAFI-S-transaction-CODE	SA-TRAN-CD

B. Alphabetical Sequence by Program Name

PROGRAM_NAME	MNEMONIC	CAT._NO.
CSF-CONTAMINANT-ID		517*
CSF-PWS-ID		516
CSF-SCHED-END-DATE		531
CSF-SCHED-NUM-SAMPLES		532
CSF-SCHED-START-DATE		530
CSF-SDF-CSPD-END		521
CSF-SDF-CSPD-START		520
CSF-SDF-RSPD-END		519
CSF-SDF-RSPD-START		518
CSF-SDS-CSPD-END		525
CSF-SDS-CSPD-START		524
CSF-SDS-RSPD-END		523
CSF-SDS-RSPD-START		522
CSF-VE-ALT-SPLG		529
CSF-VE-END-DATE		527
CSF-VF-MOD-MCL		528
CSF-VE-START-DATE		526
CVT-CARD-CODE		279
CVT-CATALOGUE-NO		281
CVT-DATA-EL-DESC		284
CVT-DATA-EL-VALUE		282
CVT-DATA-LENGTH		283
CVT-FILE-ID		280
DET-CATALOGUE-NO		287
DET-CARD-CODE		285
DET-DATA-LENGTH		290
DET-FILE-ID		286
DET-FILE-START-POSITION		289
DET-HISTORY-CODE		293
DET-INPUT-LENGTH		291
DET-MNEMONIC-NAME		292
DET-START-POSITION		288
DVF-ALTERNATE-TREATMENT		502
DVF-ANALYSIS-DECIMAL		511
DVF-ANALYSIS-METHOD		509
DVF-ANALYSIS-RESULT		510
DVF-CONTAMINANT-ID		498*
DVF-DEVIATION-CODE		496
DVF-DEVIATION-ID		494
DVF-DEVIATION-TYPE		493
DVF-EXPIRATION-VIOLATION-DATE		504
DVF-LAB-OWNER-TYPE		508
DVF-MILESTONE-CODE		506*
DVF-MODIFIED-FREQUENCY		503

DVF-MODIFIED-MCL		499
DVF-MODIFIED-MCL-DEC		500
DVF-PWS-ID		492
DVF-STATE-CODE		495*
DVF-STATUS-CODE		497
DVF-TARGET-DATE		507
DVF-TREATMENT-CODE		501
DVF-VIOLATION-DURATION		505
EAF-ACTION-DATE	EA-ACT-DAT	433
EAF-CASE-ABSTRACT	EA-ABSTRAC	448
EAF-CASE-ID	EA-CASE-ID	430
EAF-CASE-NAME	EA-CASENAM	432
EAF-CASE-REF	EA-CASE-RE	431
EAF-CLOSE-OPEN-INDIC	EA-CLOSE	434
EAF-CONS-ORD-DATE	EA-ORDATE	440
EAF-CONSENT-ORDER-NO	EA-ORDERNO	439
EAF-CONTAMINANT-ID	EA-CON-ID	446*
EAF-DEFENDANT-NAME	EA-DEFNAME	438
EAF-DEFENDANT-TYPE	EA-DEFTYPE	437
EAF-LAST-UPDATE-DATE	EA-LST-UP	450
EAF-LEGAL-STATUS	EA-LEGALST	449
EAF-MILESTONE-ATTAINED-DATE	EA-ATT-DAT	453
EAF-MILSTONE-CODE	EA-MIL-COD	454*
EAF-MILESTONE-NO	EA-MISTONE	451
EAF-PERMIT-DATE	EA-PERDATE	442
EAF-PERMIT-NO	EA-PERNO	441
EAF-PLAINTIFF-NAME	EA-PLNNAME	436
EAF-PLAINTIFF-TYPE	EA-PLNTYPE	435
EAF-PWS-ID	EA-PWS-ID	443
EAF-PWS-STATE	EA-STATE	444*
EAF-TARGET-DATE	EA-TAR-DT	452
EAF-VIOLATION-DATE	EA-VIL-DAT	445
EAF-VIOLATION-TYPE	EA-VIOL-TP	447*
EAFI-ADD-DEL-REQ-DECISION	EA-CRCT-CD	907
EAFI-ADD-DEL-REQ-TRAN-CODE	EA-TRAN-CD	904
EAFI-DELETE-CODE	EA-DEL-CD	911
EMT-CARD-CODE		294
EMT-ERROR-CODE		296
EMT-ERROR-MESSAGE		297
EMT-FILE-ID		295
LBT-ANALYSIS-METHOD	LB-METHOD	820
LBT-CONTAMINANT-GROUP	LB-CONTGRP	320
LBT-EXPIRATION-DATE	LB-EXP-DT	323
LBT-HDR-RECORDS-ON-FILE		512
LBT-HDR-RECORDS-PER-TRACK		513
LBT-LAB-ID	LB-ID	319
LBT-LAB-NAME	LB-NAME	322
LBT-METHOD-COUNT	LB-METHCNT	325
LBT-OWNER-TYPE	LB-OW-TYPE	321
LBT-RELATIVE-RECORD	LB-REL-REC	324

OEF-MAX-KEY		308
OEF-BEST-OF-TRAN		309

OMF-ADDRESSEE-CITY	OM-ADS-CTY	482
OMF-ADDRESSEE-ID	OM-ADS-ID	478
OMF-ADDRESSEE-NAME	OM-ADS-NAM	480
OMF-ADDRESSEE-STATE	OM-ADS-STA	483*
OMF-ADDRESSEE-STREET	OM-ADS-STR	481
OMF-ADDRESSEE-TYPE	OM-ADS-TYP	479
OMF-ADDRESSEE-ZIP-CODE	OM-ADS-ZIP	484
OMF-AREA-CODE	OM-AREA-CD	485
OMF-CERTIFICATE-NUMBER	OM-CER-NUM	488
OMF-LAST-UPDATE-DATE	OM-LST-UPD	487
OMF-OPERATOR-CLASS	OM-OP-CLS	490
OMF-PHONE-NUMBER	OM-PH-NUM	486
OMF-PWS-ID	OM-PWS-ID	489
OMF-RENEWAL-DATE	OM-RNL-DT	491
OMF-TRAN-CODE01	OM-TRAN-CD	903
OMFI-CREATE-DELE-FLAG	OM-CRDT-CD	908

PHF-CATALOGUE-NO	PH-CAT-NO	311
PHF-CUR-UPDATE-DATE	PH-CUR-UP	312
PHF-LAST-UPDATE-DATE	PH-LST-UP	316
PHF-NEW-VALUE	PH-NEW-VAL	318
PHF-OLD-VALUE	PH-OLD-VAL	317
PHF-PLANT-OWNER-NAME	PH-PW-NAME	313
PHF-PWS-ID	PH-PWS-ID	310
PHF-STATE-DISTRICT	PH-S-DIST	315
PHF-STATE-REGION	PH-S-REGN	314

PSF-ACTUAL-NUM-SAMPLES	PS-ACT-SPL	419
PSF-ANALYSIS-METHOD	PS-AN-METH	407
PSF-CHECK-SAMPLE-FEDERAL	PS-CHK-FED	422
PSF-CHECK-SAMPLE-NUMBER	PS-CHK-NUM	424
PSF-CHECK-SAMPLE-STATE	PS-CHK-STA	423
PSF-CONTAMINANT-ID	PS-CONID	400*
PSF-DETL-ANALYSIS-DATE	PS-D-ANDTE	411
PSF-DETL-ANALYSIS-DECIMALS	PS-D-ANDEC	410
PSF-DETL-ANALYSIS-RESULT	PS-D-ANRSL	409
PSF-ERROR-INDICATOR	PS-ERR-IND	818
PSF-FEDERAL-VIOLATIONS	PS-FED-VIO	425
PSF-LAB-ID	PS-LAB-ID	408
PSF-LAB-ID	PS-LB-ID	902
PSF-LAB-OWNER-TYPE	PS-LAB-OWN	819
PSF-NOTIFIED-PUBLIC	PS-NOTIPUB	428
PSF-NOTIFIED-STATE	PS-NOTISTA	429
PSF-PWS-ID	PS-PWS-ID	399
PSF-RECORD-TYPE	PS-RECDTYP	406
PSF-REQUIRED-NUM-SAMPLES	PS-REQ-SPL	418
PSF-SAMPLE-DATE	PS-SAMPLDT	403
PSF-SAMPLE-DATE	PS-SMPLDT	901
PSF-SAMPLE-ID-CODE	PS-SAMPLID	401
PSF-SAMPLE-KEY	PS-SAMPLKY	405

PSF-SAMPLE-PERIOD-END	PS-PRD-END	421
PSF-SAMPLE-PERIOD-START	PS-PRD-STR	420
PSF-SAMPLE-TIME	PS-SAMPLTM	404
PSF-SAMPLE-TYPE	PS-SAMPLTP	402
PSF-SAMPLE-TYPE	PS-SMPLDT	900
PSF-STATE-VIOLATIONS	PS-STA-VIO	426
PSF-SUMM-HIGHEST-RESULT	PS-S-HIRSL	412
PSF-SUMM-HIGH-DECIMALS	PS-S-HIDEC	413
PSF-SUMM-LOW-DECIMALS	PS-S-LODEC	415
PSF-SUMM-LOWEST-RESULT	PS-S-LORSL	414
PSF-SUMM-MEAN-DECIMALS	PS-S-MNDEC	417
PSF-SUMM-MEAN-RESULT	PS-S-MNRSL	416
PSF-TRANSACTION-CODE	PS-TRAN-CD	817
PSF-VIOLATION-DURATION	PS-VIO-DUR	427
PWF-ID	PW-ID	145
PWF-LAB-CAPTIVE-FLAG	PW-LA-CFLG	236
PWF-LAB-ID	PW-LA-ID	235
PWF-LAST-UPDATE-DATE	PW-LST-UP	234
PWF-MAILING-AREA-CODE	PW-MA-ARCO	156
PWF-MAILING-CITY	PW-MA-CITY	153
PWF-MAILING-NAME	PW-MA-NAME	151
PWF-MAILING-PHONE-NUMBER	PW-MA-PNUM	157
PWF-MAILING-STATE	PW-MA-STAT	154*
PWF-MAILING-STREET	PW-MA-STRT	152
PWF-MAILING-ZIP-CODE	PW-MA-ZIP	155
PWF-OWNER-TYPE	PW-OW-TYPE	237
PWF-PLANT-ACTIVITY	PW-PL-ACTV	194
PWF-PLANT-AERATION	PW-PL-AERA	251
PWF-PLANT-AIRPORT	PW-PL-AIR	178
PWF-PLANT-AMMONIATION	PW-PL-AMMO	260
PWF-PLANT-AREA-CITY-NAME	PW-PL-ACTY	158
PWF-PLANT-AREA-COUNTY-CODE	PW-PL-ACNT	159
PWF-PLANT-AVAILABILITY	PW-PL-AVAL	246
PWF-PLANT-AVERAGE-PRODUCTION	PW-PL-AVPR	186
PWF-PLANT-BASIN-NUMBER	PW-PL-BASN	247
PWF-PLANT-BATHING	PW-PL-BATH	175
PWF-PLANT-BEGIN-DATE	PW-PL-BEGN	191
PWF-PLANT-CAMPGROUND	PW-PL-CAMP	170
PWF-PLANT-CITY	PW-PL-CITY	148
PWF-PLANT-COAGULATION	PW-PL-COAG	253
PWF-PLANT-COMPANY-TOWN	PW-PL-COMP	162
PWF-PLANT-COMPLIANCE-CYCLE	PW-PL-CYCL	193
PWF-PLANT-CONSEC-INDICATOR	PW-PL-COIN	701
PWF-PLANT-CONSECUTIVE-NUM-PWS	PW-PL-CNUM	180
PWF-PLANT-CORROSION-CNTRL	PW-PL-CORR	256
PWF-PLANT-DEACTIVATION-DATE	PW-PL-DDAT	195
PWF-PLANT-DEACTIVATION-REASON	PW-PL-DREA	196
PWF-PLANT-DESIGN-CAPACITY	PW-PL-DECA	187
PWF-PLANT-DISINFECTION	PW-PL-DISI	262
PWF-PLANT-EMERGENCY-POWER	PW-PL-EMER	188
PWF-PLANT-FILTRATION	PW-PL-FILT	255
PWF-PLANT-FLUORIDE-ADJUSTMENT	PW-PL-FLOR	261

PWF-PLANT-HWY-REST-AREA	PW-PL-HWY	177
PWF-PLANT-INDIAN-RESERVATION	PW-PL-RESR	160
PWF-PLANT-INSTITUTION	PW-PL-INST	165
PWF-PLANT-INTERSTATE-CARRIER	PW-PL-CARR	181
PWF-PLANT-IRON-REMOVAL	PW-PL-IRON	259
PWF-PLANT-LAST-SURVEY-DATE	PW-PL-SURV	192
PWF-PLANT-LATITUDE	PW-PL-LATI	248
PWF-PLANT-LODGE	PW-PL-LODG	172
PWF-PLANT-LONGITUDE	PW-PL-LONG	249
PWF-PLANT-MANUAL-FILE	PW-PL-MANU	197
PWF-PLANT-MARINA	PW-PL-MARI	173
PWF-PLANT-MAX-PRODUCTION	PW-PL-MAXP	190
PWF-PLANT-METERS-NUMBER	PW-PL-MNUM	185
PWF-PLANT-MOBILE-HOMES	PW-PL-MOHO	164
PWF-PLANT-MOTEL	PW-PL-MOTL	167
PWF-PLANT-NUM-OF-WELLS	PW-PL-WELL	245
PWF-PLANT-OTHER-AREA	PW-PL-OTHR	179
PWF-PLANT-OTHER-TREATMENT	PW-PL-OTHE	263
PWF-PLANT-OWNER-NAME	PW-OWNA	146
PWF-PLANT-PICNIC	PW-PL-PIC	171
PWF-PLANT-POPULATION-SERVED	PW-PL-POPL	183
PWF-PLANT-PRECHLORINATION	PW-PL-PREC	252
PWF-PLANT-RECREATION	PW-PL-RECR	163
PWF-PLANT-RESERVE	PW-PL-RESE	264
PWF-PLANT-RESIDENTIAL	PW-PL-RESI	161
PWF-PLANT-RESTAURANT	PW-PL-REST	168
PWF-PLANT-SCHOOL	PW-PL-SCHL	166
PWF-PLANT-SEDIMENTATION	PW-PL-SEDI	254
PWF-PLANT-SELLER-ID	PW-PL-SLID	250
PWF-PLANT-SERVICE-STATION	PW-PL-SSTA	169
PWF-PLANT-SERVICES-NUMBER	PW-PL-SNUM	184
PWF-PLANT-SKI-RESORT	PW-PL-SKI	174
PWF-PLANT-SOFTENING	PW-PL-SOFT	257
PWF-PLANT-SOURCE-CODE	PW-PL-SOCO	244
PWF-PLANT-SOURCE-NAME	PW-PL-SONA	243
PWF-PLANT-SOURCES-NUMBER	PW-PL-SONM	242
PWF-PLANT-STATE	PW-PL-STAT	149
PWF-PLANT-STORAGE-CAPACITY	PW-PL-STCA	189
PWF-PLANT-STREET	PW-PL-STRT	147
PWF-PLANT-TASTE-ODOR	PW-PL-TAST	258
PWF-PLANT-TYPE	PW-PL-TYPE	182
PWF-PLANT-VISITOR-CENTER	PW-PL-VCTR	176
PWF-PLANT-ZIP-CODE	PW-PL-ZIP	150
PWF-STATE-AIR-TEMPERATURE	PW-S-ATEM	217
PWF-STATE-BACTERIOLOGICAL-FLG	PW-S-BFLG	202
PWF-STATE-BETA-FREQ-MONTHS	PW-S-BETA	221
PWF-STATE-CHLORINE	PW-S-CLOR	210
PWF-STATE-CONTAMINANT-FREQ	PW-S-CFREQ	225
PWF-STATE-CONTAMINANT-ID-CHEM	PW-S-CONID	213*
PWF-STATE-DISTRICT	PW-S-DIST	201
PWF-STATE-ENGLISH-METRIC-SYSTM	PW-S-ENGM	232
PWF-STATE-FAC-CONTAMINANT-ID	PW-S-FACON	224*
PWF-STATE-GROUND-WATER-MONITOR	PW-S-GWATR	229

PWF-STATE-LAST-REPORT-DATE	W-S-LAST	231
PWF-STATE-MCL-HALT-CHECK-SAMP	PW-S-HCKS	209
PWF-STATE-MIN-NO-DAILY-CHECKS	PW-S-MDCK	207
PWF-STATE-MONITOR-GROSS-ALPHA	PW-S-GALP	226
PWF-STATE-MONITOR-RADIUM-MTHS	PW-S-RADM	227
PWF-STATE-MONTHLY-MONITORING	PW-S-MONT	203
PWF-STATE-NCOM-SAMPLE-FREQ	PW-S-NSPFQ	208
PWF-STATE-NITRATE-FREQUENCY	PW-S-NITR	218
PWF-STATE-NO-OF-SAMPLES	PW-S-NSAM	204
PWF-STATE-NUCLEAR-FAC-TYPE1	PW-S-FATY1	223*
PWF-STATE-NUCLEAR-FAC-TYPE2	PW-S-FATY2	702*
PWF-STATE-NUCLEAR-FACILITY	PW-S-NUCL	222
PWF-STATE-NUM-SAMPLES-PER-YR	PW-S-NUMSP	228
PWF-STATE-ORGANIC-BEGIN-PERIOD	PW-S-ORBGN	215
PWF-STATE-ORGANIC-END-PERIOD	PW-S-OREND	216
PWF-STATE-POSTAL-CODE	PW-S-CODE	198*
PWF-STATE-RADIOACTIVE-FLAG	PW-S-RFLG	219
PWF-STATE-RADIOACTIVE-MONITOR	PW-S-RMON	220
PWF-STATE-REGION	PW-S-REGN	200
PWF-STATE-REGULATE-BY	PW-S-REGE	199
PWF-STATE-REPORT-REQUIRED	PW-S-RREQ	230
PWF-STATE-RESERVE-FOR-STATE	PW-S-RESV	233
PWF-STATE-SAMPLING-FREQUENCY	PW-S-SPFQ	214
PWF-STATE-SEASON-BEGIN	PW-S-SBGN	205
PWF-STATE-SEASON-END	PW-S-SEND	206
PWF-STATE-TURBIDITY-FLAG	PW-S-TFLG	211
PWF-STATE-TURBIDITY-UNITS	PW-S-TBUN	212
PWF-VAEX-ALT-MONITOR-FREQ	PW-VE-AMF	241
PWF-VAEX-CONTAMINANT-ID	PW-VE-CTAM	238*
PWF-VAEX-MODIFIED-MCL	PW-VE-MCL	239
PWF-VAEX-MODIFIED-MCL-DEC	PW-VE-DEC	240
PWFI-TRAN-CHECK	PW-CRDT-CD	910
PWFI-TRAN-CHECK	PW-OCCUR1	912
PWFI-TRAN-CODE0-98-99	PW-OCCUR2	913
PWFI-TRAN-CODE0-98-99	PW-TRAN-CD	906

PWT-HEADER-NO-OF-RECORDS		514
PWT-HEADER-RECS-PER-TRK		515
PWT-ID		266
PWT-MAILING-AREA-CODE		272
PWT-MAILING-CITY		269
PWT-MAILING-NAME		267
PWT-MAILING-PHONE-NUMBER		273
PWT-MAILING-STATE		270*
PWT-MAILING-STREET		268
PWT-MAILING-ZIP-CODE		271
PWT-PLANT-COMPLIANCE-CYCLE		278
PWT-PLANT-POPULATION-SERVED		277
PWT-PLANT-SOURCE-CODE		703
PWT-PLANT-TYPE		276
PWT-RELATIVE-REC-NUMBER		265
PWT-STATE-DISTRICT		275
PWT-STATE-REGION		274

RGF-ALFA-ANNUAL-COMP-4-SAMPLE	RG-A-AC4SP	016
RGF-ALFA-CCM-NONCOMM-EOTH	RG-A-CNCOB	017
RGF-ALFA-CONTAM-NAME	RG-A-CONAM	003
RGF-ALFA-CONTAMINANT-ID	RG-CONID	001*
RGF-ALFA-EFFECTIVE-DATE	RG-A-EFFDT	004
RGF-ALFA-FRACTION-MCL-SUBSTITU	RG-A-FRACT	014
RGF-ALFA-INITL-MONITOR-PERIOD	RG-A-INIPD	013
RGF-ALFA-MAX-GA-WITH-R228	RG-A-GAIR8	008
RGF-ALFA-MAX-GA-WITHOUT-R228	RG-A-GAOR8	007
RGF-ALFA-MAX-R226-ANNUAL-MONIT	RG-A-R6ANM	010
RGF-ALFA-MCL-COMBINED-RADIUM	RG-A-M-CMR	006
RGF-ALFA-MCL-GROSS-ALPHA	RG-A-M-GRA	005
RGF-ALFA-MIN-NORM-MONITOR-FREQ	RG-A-MINFQ	012
RGF-ALFA-MIN-VIOL-MONITOR-FREQ	RG-A-MINVF	015
RGF-ALFA-NUM-SAMPLES-PER-YEAR	RG-A-NUMSP	011
RGF-ALFA-MAX-R226-FOR-R228	RG-A-R6FR8	009
RGF-ALFA-REGU-LEVEL	RG-A-RGLVL	002
RGF-BACT-CHK-MIN-NEG-PORTIONS	RG-M-CKMNP	117
RGF-BACT-CHK-MIN-MEMBRANE-FILT	RG-M-CKMCB	118
RGF-BACT-CHK-MIN-DAILY-SAMPLES	RG-M-CKCDS	116
RGF-BACT-CHL-MAX-CHLORINE-LVL	RG-M-C-MCL	121
RGF-BACT-CHL-MAX-PERCENT	RG-M-C-MXP	120
RGF-BACT-CHL-MAX-TIME-RETEST	RG-M-C-MXT	122
RGF-BACT-CHL-SAMPLES-IN-LIEU	RG-M-C-LEU	119
RGF-BACT-CONTAM-NAME	RG-M-CONAM	097
RGF-BACT-CONTAMINANT-ID	RG-CONID	095*
RGF-BACT-EFFECTIVE-DATE	RG-M-EFFDT	098
RGF-BACT-FH-MCL-FOR-PERCENT	RG-M-FH-MC	113
RGF-BACT-FH-MIN-REQD-SAMPLES	RG-M-FH-MR	112
RGF-BACT-FH-MONTHLY-MCL	RG-M-FH-MT	110
RGF-BACT-FH-PERCENT-SAMPLES	RG-M-FH-PS	111
RGF-BACT-FH-SINGLE-SAMPLE-MCL	RG-M-FH-SM	109
RGF-BACT-FT-MCL-FOR-PERCENT	RG-M-FT-MC	108
RGF-BACT-FT-MIN-REQD-SAMPLES	RG-M-FT-MR	107
RGF-BACT-FT-MONTHLY-MCL	RG-M-FT-MT	105
RGF-BACT-FT-PERCENT-SAMPLES	RG-M-FT-PS	106
RGF-BACT-FT-SINGLE-SAMPLE-MCL	RG-M-FT-SM	104
RGF-BACT-MF-MCL-FOR-PERCENT	RG-M-MF-MC	103
RGF-BACT-MF-MIN-REQD-SAMPLES	RG-M-MF-MR	102
RGF-BACT-MF-MONTHLY-MCL	RG-M-MF-MT	100
RGF-BACT-MF-PERCENT-SAMPLES	RG-M-MF-PS	101
RGF-BACT-MF-SINGLE-SAMPLE-MCL	RG-M-MF-SM	099
RGF-BACT-NCOM-EFFECTIVE-DATE	RG-M-NEFDT	123
RGF-BACT-NCOM-SAMPLE-FREQ	RG-M-NSPFQ	126
RGF-BACT-NCOM-SAMPLING-PERIOD	RG-M-NPERD	125
RGF-BACT-NCOM-SEASONAL-CODE	RG-M-NSEAS	124
RGF-BACT-REGU-LEVEL	RG-M-RGLVL	096
RGF-BACT-REQMNTS-MAX-SAMPLES	RG-M-RQMAX	114
RGF-BACT-REQMNTS-SAMPLE-PERIOD	RG-M-RQSPD	115
RGF-BETA-AVERAGE-COMPOS-SAMPLE	RG-B-AVCOM	030
RGF-BETA-C-IODINE-MONIT-FREQ	RG-B-CIOMF	037
RGF-BETA-C-IODINE131-CONS-SPL	RG-B-CIOSP	040

RGF-BETA-C-NUM-IODINE-SAMPLES	RG-B-CNIOS	035
RGF-BETA-C-NUM-STRONT-SAMPLES	RG-B-CNSTS	036
RGF-BETA-C-STRONT-MONIT-FREQ	RG-B-CSTMF	038
RGF-BETA-C-VIOL-MONIT-FREQ	RG-B-CVMFQ	039
RGF-BETA-COM-NONCOMM-BOTH	RG-B-CNCOB	028
RGF-BETA-CONTAM-NAME	RG-B-CONAM	020
RGF-BETA-CONTAMINANT-ID	RG-CONID	018*
RGF-BETA-EFFECTIVE-DATE	RG-B-EFFDT	021
RGF-BETA-MAJ-BETA-EM-CON-NUCL	RG-B-MBECN	026
RGF-BETA-MAJ-BETA-EM-NO-NUCL	RG-B-MBENN	025
RGF-BETA-MCL-ANNUAL-DOSAGE	RG-B-ANMCL	022
RGF-BETA-MIN-POPULATION-ANNUAL	RG-B-MNPOP	031
RGF-BETA-MONIT-GRD-WTR-REQD	RG-B-MONGD	029
RGF-BETA-N-NORM-MONIT-FREQ	RG-B-NNMFQ	033
RGF-BETA-N-NUM-SAMPLES-YEAR	RG-B-NNMSP	032
RGF-BETA-N-VIOL-MONIT-FREQ	RG-B-NVMFQ	034
RGF-BETA-REGU-LEVEL	RG-B-RGLVL	019
RGF-BETA-STRON89-CES134-CON-NU	RG-B-S8C1C	027
RGF-BETA-STRONTIUM90-SCREENING	RG-B-STRSC	024
RGF-BETA-TRITIUM-SCREENING	RG-B-TRISC	023
RGF-BPOP-CONTAMINANT-ID	RG-CONID	127*
RGF-BPOP-REGU-LEVEL	RG-P-RGLVL	128
RGF-BPOP-TABLE-ID	RG-P-TBLID	129
RGF-BPOP-TBL-FROM-POPULATION	RG-P-T-FRM	130
RGF-BPOP-TBL-SAMPLE-FREQ	RG-P-T-FRQ	132
RGF-BPOP-TBL-TO-POPULATION	RG-P-T-TOP	131
RGF-CHEM-COM-EFFECTIVE-DATE	RG-C-CEFDT	057
RGF-CHEM-COM-GRD-MIN-NEG	RG-C-CGMNG	061
RGF-CHEM-COM-GRD-SAMPLE-FREQ	RG-C-CGSPF	059
RGF-CHEM-COM-GRD-YRS-FST	RG-C-CGRYR	058
RGF-CHEM-COM-SUR-MIN-NEG	RG-C-CSMNG	065
RGF-CHEM-COM-SUR-SAMPLE-FREQ	RG-C-CSSPF	063
RGF-CHEM-COM-SUR-VIOL-FREQ	RG-C-CSVFQ	064
RGF-CHEM-COM-SUR-YRS-FST	RG-C-CSRYR	062
RGF-CHEM-CONTAMINANT-ID	RG-CONID	041*
RGF-CHEM-CONTAM-NAME	RG-C-CONAM	043
RGF-CHEM-GRD-VIOL-FREQ	RG-C-CGVFQ	060
RGF-CHEM-MCL	RG-C-MCL	046
RGF-CHEM-MCL-CHECK-PERIOD	RG-C-CHKPD	056
RGF-CHEM-MCL-CHECK-SAMPLES	RG-C-CKSAM	052
RGF-CHEM-MCL-DECIMALS	RG-C-MCLDC	047
RGF-CHEM-MCL-HIGH-DECIMALS	RG-C-MCLHD	051
RGF-CHEM-MCL-HIGH-LIMIT	RG-C-MCLHI	050
RGF-CHEM-MCL-LOW-DECIMALS	RG-C-MCLOD	049
RGF-CHEM-MCL-LOW-LIMIT	RG-C-MCLOW	048
RGF-CHEM-MCL-MIN-TIME	RG-C-MINTM	055
RGF-CHEM-MCL-SEASONAL-CODE	RG-C-SEACD	053
RGG-CHEM-MCL-SPECIAL-CODE	RG-C-SPECD	054
RGF-CHEM-MCL-UNITS	RG-C-MCLUN	045
RGF-CHEM-NCOM-EFFECTIVE-DATE	RG-C-NEFDT	066
RGF-CHEM-NCOM-GRD-MIN-NEG	RG-C-NGMNG	070
RGF-CHEM-NCOM-GRD-SAMPLE-FREQ	RG-C-NCSPF	068
RGF-CHEM-NCOM-GRD-VIOL-FREQ	RG-C-NGVFQ	069

RGF-CHEM-NCOM-GRD-YRS-FST	RG-C-NGRYR	067
RGF-CHEM-NCOM-SUR-MIN-NEG	RG-C-NSMNG	074
RGF-CHEM-NCOM-SUR-SAMPLE-FREQ	RG-C-NSSPF	072
RGF-CHEM-NCOM-SUR-VIOL-FREQ	RG-C-NSVFQ	073
RGF-CHEM-NCOM-SUR-YRS-FST	RG-C-NSRYR	071
RGF-CHEM-REASON-CODE	RG-C-RSNCD	044
RGF-CHEM-REGU-LEVEL	RG-C-RGLVL	042
RGF-EMIT-ANNUAL-CONCENT-EQUIV	RG-E-ANCON	080
RGF-EMIT-CONTAM-NAME	RG-E-CONAM	079
RGF-EMIT-CONTAMINANT-ID	RG-CONID	075*
RGF-EMIT-DETECTION-LIMIT	RG-E-DETLM	081
RGF-EMIT-EFFECTIVE-DATE	RG-E-EFFDT	078
RGF-EMIT-NUCL-POWER-PLANT-CODE	RG-E-NPPCD	082
RGF-EMIT-REGU-LEVEL	RG-E-RGLVL	076
RGF-EMIT-TABLE-ID	RG-E-TBLID	077
RGF-FLOR-CONTAMINANT-ID	RG-CONID	083*
RGF-FLOR-REAS-CENT-HIGH	RG-F-RBCHI	094
RGF-FLOR-REAS-CENT-LOW	RG-F-RBCLO	093
RGF-FLOR-REAS-FAHR-HIGH	RG-F-RBFHI	092
RGF-FLOR-REAS-FAHR-LOW	RG-F-RBFLO	091
RGF-FLOR-REGU-LEVEL	RG-F-RGLVL	084
RGF-FLOR-TABLE-ID	RG-F-TBLID	085
RGF-FLOR-TEMP-CENT-HIGH	RG-F-TRCHI	089
RGF-FLOR-TEMP-CENT-LOW	RG-F-TRCLO	088
RGF-FLOR-TEMP-FAHR-HIGH	RG-F-TRFHI	087
RGF-FLOR-TEMP-FAHR-LOW	RG-F-TRFLO	086
RGF-FLOR-TEMP-RANGE-MCL	RG-F-TRMCL	090
RGF-TURB-ALL-SOURCES	RG-T-ALLSR	140
RGF-TURB-COM-SAMPLE-FREQ	RG-T-CSPFQ	142
RGF-TURB-CONSECUTIVE-MCL	RG-T-CNMCL	137
RGF-TURB-CONSECUTIVE-SAMPLES	RG-T-CNSPL	138
RGF-TURB-CONTAM-NAME	RG-T-CONAM	135
RGF-TURB-CONTAMINANT-ID	RG-CONID	133*
RGF-TURB-EFFECTIVE-DATE	RG-T-EFFDT	139
RGF-TURB-MAX-RESAMPLING-PERIOD	RG-T-MRSPL	144
RGF-TURB-MONTHLY-MCL	RG-T-MOMCL	136
RGF-TURB-N-COM-SAMPLE-FREQ	RG-T-NSPFQ	143
RGF-TURB-REGU-LEVEL	RG-T-RGLVL	134
RGF-TURB-REPEAT-INCLUDED	RG-T-RPTIN	141
RGI-CHM1-CARD-CODE	TRAN-CODE	914
SAF-ACTUAL-NUM-SAMPLES	SA-ACT-SPL	380
SAF-AIR-TEMPERATURE	SA-AIR-TMP	386
SAF-ANALYSIS-METHOD	SA-AN-METH	367
SAF-CHECK-SAMPLE-FEDERAL	SA-CHK-FED	387
SAF-CHECK-SAMPLE-NUMBER	SA-CHK-NUM	389
SAF-CHECK-SAMPLE-STATE	SA-CHK-STA	388
SAF-CONTAMINANT-ID	SA-CONID	357*
SAF-DETL-ANALYSIS-DATE	SA-D-ANDTE	372
SAF-DETL-ANALYSIS-DECIMALS	SA-D-ANDEC	371
SAF-DETL-ANALYSIS-RESULT	SA-D-ANRSL	370
SAF-FED-SSC	SA-F-SSC	815
SAF-STATE-SSC	SA-S-SSC	816

SAF-FEDERAL-VIOLATIONS	SA-FED-VIO	392
SAF-FL-FED-USED-FOR-COMP	SA-FL-FUFC	813
SAF-FL-STATE-USED-FOR-COMP	SA-FL-SUFC	814
SAF-LAB-ID	SA-LAB-ID	368
SAF-LAB-OWNER-TYPE	SA-LAB-OWN	369
SAF-MCL-VIOL-F-DECIMALS	SA-MCLVFDC	809
SAF-MCL-VIOL-F-VALUE	SA-MCLVFVL	398
SAF-MCL-VIOL-FLAG	SA-MCLVIFL	397
SAF-MCL-VIOL-S-DECIMALS	SA-MCLVSDC	811
SAF-MCL-VIOL-S-VALUE	SA-MCLVSVL	810
SAF-MCL-VIOL-SAMPLE-START-DATE	SA-MCLVSSD	812
SAF-NEXT-SAMPLE-DUE-DATE	SA-SAMPLDU	385
SAF-NOTIFIED-PUBLIC	SA-NOTIPUB	395
SAF-NOTIFIED-STATE	SA-NOTISTA	396
SAF-PWS-ID	SA-PWS-ID	356
SAF-PWS-TYPE	SA-PWS-TYP	364
SAF-POPULATION-SERVED	SA-POP-SRV	365
SAF-R-DISTRICT	SA-DISTRIC	808
SAF-R-REGION	SA-REGION	807
SAF-RECORD-TYPE	SA-RECDTYP	363
SAF-REGULAR-SAMPLE-DATE	SA-REGRSPL	383
SAF-REQUIRED-NUM-SAMPLES	SA-REQ-SPL	379
SAF-SAMPLE-DATE	SA-SAMPLDT	360
SAF-SAMPLE-ID-CODE	SA-SAMPLID	358
SAF-SAMPLE-KEY	SA-SAMPLKY	362
SAF-SAMPLE-PERIOD-END	SA-PRD-END	382
SAF-SAMPLE-PERIOD-START	SA-PRD-STR	381
SAF-SAMPLE-TIME	SA-SAMPLTM	361
SAF-SAMPLE-TYPE	SA-SAMPLTP	359
SAF-SAMPLING-CUTOFF-DATE	SA-SAMPLCT	384
SAF-SOURCE-CODE	SA-SOURCE	366
SAF-STATE-VIOLATIONS	SA-STA-VIO	393
SAF-SUMM-HIGH-DECIMALS	SA-S-HIDEC	374
SAF-SUMM-HIGHEST-RESULT	SA-S-HIRSL	373
SAF-SUMM-LOW-DECIMALS	SA-S-LODEC	376
SAF-SUMM-LOWEST-RESULT	SA-S-LORSL	375
SAF-SUMM-MEAN-DECIMALS	SA-S-MNDEC	378
SAF-SUMM-MEAN-RESULT	SA-S-MNRSL	377
SAF-VARIANCE-DECIMALS	SA-VAR-DEC	391
SAF-VARIANCE-MCL	SA-VAR-MCL	390
SAF-VIOLATION-DURATION	SA-VIO-DUR	394
SAFE-TRANSACTION-CODE	SA-TRAN-CD	917

SEF-CATALOGUE-NO		299
SEF-ERROR-CODE		300
SEF-TRANSACTION		298

SHF-CATALOGUE-NO	SH-CAT-NO	303
SHF-CUR-UPDATE-DATE	SH-CUR-UP	304
SHF-FILE-ID	SH-FILE-ID	301
SHF-LAST-UPDATE-DATE	SH-LST-UP	305
SHF-NEW-VALUE	SH-NEW-VAL	307
SHF-OLD-VALUE	SH-OLD-VAL	306

SHF-RECORD-ID	SH-REC-ID	302
VEF-ALTERNATE-TREATMENT	VE-ALT-TRT	466
VEF-CASE-ABSTRACT	VE-ABSTRAC	468
VEF-CONTAMINANT-ID	VE-CON-ID	462*
VEF-DELAY-CODE	VE-DEL-CD	476
VEF-EFFECTIVE-DATE	VE-EFF-DT	459
VEF-EXPIRATION-DATE	VE-EXP-DT	460
VEF-ID	VE-ID	455
VEF-LAST-UPDATE-DATE	VE-LST-UP	470
VEF-MILESTONE-ABSTRACT	VE-MIL-ABS	477
VEF-MILESTIONE-ATTAINED-DATE	VE-ATT-DT	474
VEF-MILESTONE-CODE	VE-MIL-COD	475*
VEF-MILESTONE-NO	VE-MISTONE	471
VEF-MILESTONE-REPEAT	VE-REPEAT	472
VEF-MODIFIED-FREQUENCY	VE-MOD-FRE	467
VEF-MODIFIED-MCL	VE-MOD-MCL	463
VEF-MODIFIED-MCL-DEC	VE-MOD-DEC	464
VEF-PWS-ID	VE-PWS-ID	457
VEF-REASON-CODE	VE-REASON	469
VEF-REVISED-ID-REFERENCE	VE-ID-REF	456
VEF-STATUS-CODE	VE-STATUS	461
VEF-TARGET-DATE	VE-TAR-DT	473
VEF-TREATMENT-CODE	VE-TREAT	465
VEF-VE-TYPE	VE-TYPE	458
VEFI-CREATE-DELE-FLAG	VE-CRDT-CD	909
VEFI-TRAN-CODE00	VE-TRAN-CD	905
VIF-ANALYSIS-DATE	VI-ANDATE	341
VIF-ANALYSIS-DECIMALS	VI-AN-DEC	340
VIF-ANALYSIS-METHOD	VI-AN-METH	338
VIF-ANALYSIS-RESULT	VI-AN-RESL	339
VIFI-TROO-CREATE-DELETE-FLAG	VI-CRDT-CD	916
VIFI-TROO-TRANSACTION-CODE	VI-TRAN-CD	915
VIF-CONTAMINANT-ID	VI-CONT-ID	331*
VIF-DATE-LAST-REPORT	VI-DT-RPT	800
VIF-DISTRICT	VI-DISTRIC	353
VIF-LAB-ID	VI-LAB-ID	333
VIF-LAB-NAME	VI-LAB-NAM	334
VIF-LAB-OWNER-TYPE	VI-LAB-OWN	802
VIF-LAST-UPDATE	VI-LSTUPDT	804
VIF-MCL-VIOL-DECIMALS	VI-MCLDEC	346
VIF-MCL-VIOL-SAMPL-START-DATE	VI-MCLVSSD	806
VIF-MCL-VIOLATED	VI-MCLVIOL	345
VIF-NOTIFY-PUBLIC	VI-NOTIPUB	350
VIF-NOTIFY-STATE	VI-NOTISTA	351
VIF-NUM-SAMPLES-VIOL	VI-NUMSPVI	348
VIF-POPULATION	VI-POPULAT	329
VIF-PWS-ID	VI-PWS-ID	326
VIF-PWS-NAME	VI-PWS-NAM	327
VIF-PWS-TYPE	VI-PWS-TYP	328
VIF-REGION	VI-REGION	352
VIF-REGULATION-LEVEL	VI-REG-LVL	330

VIF-REMARKS	VI-REMARKS	805
VIF-SAMPLE-DATE	VI-SPLDATE	335
VIF-SAMPLE-KEY	VI-SPLKEY	355
VIF-SAMPLE-TYPE	VI-SPLTYPE	354
VIF-SAMPLES-NUM-REQUIRED	VI-SPLREQD	336
VIF-SAMPLES-NUM-TAKEN	VI-SPLTAKN	337
VIF-SAMPLING-CUTOFF-DATE	VI-SAMPLCT	342
VIF-SAMPLING-FREQ-VIOL	VI-SPLVIOL	347
VIF-SOURCE-CODE	VI-SRC-CD	332
VIF-TIME-SINCE-LAST-REPORT	VI-LST-RPT	801
VIF-VIOLATION-DATE	VI-VIOL-DT	344
VIF-VIOLATION-DURATION	VI-VIOLDUR	349
VIF-VIOLATION-ID	VI-VIOL-ID	803
VIF-VIOLATION-TYPE	VI-VIOL-TP	343*

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 001	**MNEMONIC NAME:** RG-CONID	**PROGRAM NAME:** RGF-ALFA-CONTAMINANT-ID

DESCRIPTION AND USE:
A 4-digit number for identifying a contaminant

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S):
Input forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. Numeric - error code 010
2. A member of the Contaminant Code Table Section of the Code Value Table files - error code 005
3. Must be entered - error code 011

ADDITIONAL COMMENTS:

Federal codes are standardized but State may add more contaminants to the Contaminant Code Table.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976

VERSION: 1

REQUESTED BY EPA TO BE REPORTED ANNUALLY: No

MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes

DATA ELEMENT

CATALOGUE NO.: 002

MNEMONIC NAME: RG-A-RGLVL

PROGRAM NAME: RGF-ALFA-REGU-LEVEL

DESCRIPTION AND USE: Used to indicate if the regulations concerning a contaminant are State or Federal regulations, and whether they are primary or secondary regulations.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

SP - State, Primary
SS - State, Secondary
FP - Federal, Primary
FS - Federal, Secondary

EDIT CRITERIA:

Must be in above list - error code 011

ADDITIONAL COMMENTS:

Regulations Table printout must be visually verified.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 003	**MNEMONIC NAME:** RF-A-CONAM	**PROGRAM NAME:** RGF-ALFA-CONTAM-NAME

DESCRIPTION AND USE: The scientific name of a contaminant. Used to simplify identification of contaminants and visual verification of the regulations printout.	**DATA TYPE:** A/N **PICTURE:** X(15)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N/A

Any alphanumeric string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 004	**MNEMONIC NAME:** RG-A-EFFDT	**PROGRAM NAME:** RGF-ALFA-EFFECTIVE-DATE

DESCRIPTION AND USE: Date on which the applicable regulations became effective.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Input Format

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any valid Julian date.

EDIT CRITERIA:

Valid date or empty
Invalid Date - error code 033.

ADDITIONAL COMMENTS:
When not input to PWF, set according to PWS type:
1. community - June 1, 1977
2. noncommunity - June 1, 1977

The input format is MMDDYY which is converted to the Julian file format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 005	**MNEMONIC NAME:** RG-A-M-GRA	**PROGRAM NAME:** RGF-ALFA-MCL-GROSS-ALPHA

DESCRIPTION AND USE:
MCL for Gross Alpha analysis method for radiological sampling. Quantity expressed in Picocuries/liter

DATA TYPE: N

PICTURE: 9(2)V9

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set RG-A-M-GRA at 15 pCi/1, per 141.15(b). State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
006	RG-A-M-CMR	RGF-ALFA-MCL-COMBINED-RADIUM

DESCRIPTION AND USE:
Combined MCL for Radium 226 and Radium 228 for analysis of radiological samples. Quantity expressed in Picocuries/liter.

DATA TYPE: N

PICTURE: 9(2)V9

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set RG-A-M-CMR at 5 pCi/l per 141.15(a). State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 007	**MNEMONIC NAME:** RG-A-GAOR8	**PROGRAM NAME:** RGR-ALFA-MAX-GA-WITHOUT-R228

DESCRIPTION AND USE: Maximum gross alpha particle radioactivity screening level, without Radium 228. Quantity expressed in Picocuries/liter.	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations set RG-A-GAOR8 at 5 pCi/1 per 141.26(a)(1)(i). State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 008	**MNEMONIC NAME:** RG-A-GAIR8	**PROGRAM NAME:** RGF-ALFA-MAX-GA-WITH-R228

DESCRIPTION AND USE: Maximum gross alpha particle radioactivity screening level, with Radium 228. Quantity expressed in Picocuries/liter.	**DATA TYPE:** N
	PICTURE: 9(2)V9

SOURCE(S):

Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations set RG-A-GAIR8 at 2 pCi/l per 141.26(a)(1)(i). State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 009	**MNEMONIC NAME:** RG-A-R6FR8	**PROGRAM NAME:** RGF-ALFA-MAX-R226-FOR-R228

DESCRIPTION AND USE: Maximum Radium 226, radioactivity screening level for Radium 228. Expressed in Picocuries/liter.	**DATA TYPE:** N
	PICTURE: 9(2)V9

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations set RG-A-R6FR8 at 3 pCi/l per 141.26(a)(1)(ii). State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 010	**MNEMONIC NAME:** RG-A-R6ANM	**PROGRAM NAME:** RGF-ALFA-MAX-R226-ANNUAL-MONIT

DESCRIPTION AND USE:
Maximum Radium 226 radioactivity screening level for Annual Monitoring. Expressed in Picocuries/liter.

DATA TYPE: N

PICTURE: 9(2)V9

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations set RG-A-R6ANM at 3pCi/l per 141.26(a)(3)(L.V.). State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 011	**MNEMONIC NAME:** RG-A-NUMSP	**PROGRAM NAME:** RGP-ALFA-NUM-SAMPLES-PER-YEAR

DESCRIPTION AND USE: The number of consecutive quarters necessary for gross alpha particle radioactivity sampling. Applies to Community Water systems only.	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulations presently require quarterly samples; thus, the present value is 4 per 141.26(a)(1).
State regulations must meet or exceed this.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 012	**MNEMONIC NAME:** RG-A-MINFQ	**PROGRAM NAME:** RGF-ALFA-MIN-NORM-MONITOR-FREQ

DESCRIPTION AND USE: Minimum normal monitoring frequency for gross alpha radioactivity analysis, expressed in years. These apply to Community Water Systems only unless specified	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive value greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulations currently require monitoring every 4 years, per 141.26(a)(3).
State regulations must meet or exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	**VERSION:**	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:**	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:**
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.:	**MNEMONIC NAME:**	**PROGRAM NAME:**
013	RG-A-INIPD	RGF-ALFA-INITL-MONITOR-PERIOD

DESCRIPTION AND USE: Initial monitoring period for new water sources, for gross alpha particle radioactivity, expressed in months. Applies to Community Water Systems only.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set this period at less than 12 months, 141.26(a)(3)(iii).
State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976

VERSION: 1

REQUESTED BY EPA TO BE REPORTED ANNUALLY: No

MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 014

MNEMONIC NAME: RG-A-FRACT

PROGRAM NAME: RGF-ALFA-FRACTION-MCL-SUBSTITU

DESCRIPTION AND USE: The fraction of MCL, expressed in decimal form, below which analysis of a single annual sample may be substituted for quarterly sampling. Applies to gross alpha *

DATA TYPE: N

PICTURE: V9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS: Federal regulations currently set this fraction at 50% per 141.26(9)(3).
State regulations must not exceed this.
* radioactive sampling. Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 015	**MNEMONIC NAME:** RG-A-MINVF	**PROGRAM NAME:** RGF-ALFA-MIN-VIOL-MONITOR-FREQ

DESCRIPTION AND USE: Minimum monitoring frequency expressed in months, if the PWS is in violation of gross alpha radioactivity requirements. Applies to Community Water Systems only.	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently require quarterly monitoring; thus setting this value at 3, per 141.26(a)(4).
State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 016	**MNEMONIC NAME:** RG-A-AC4SP	**PROGRAM NAME:** RGF-ALPA-ANNUAL-COMP-4-SAMPLE

DESCRIPTION AND USE: Indicates whether an annual composite sample, or four quarterly sample average, or both is acceptable for monitoring gross alpha radioactivity. *	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A - Average (quarterly)
B - Both
C - Composite (annual)

EDIT CRITERIA:

Must be 'A', 'B', or 'C', as shown above.
Error code 011.

ADDITIONAL COMMENTS:
Federal regulations currently accept any of these options, per 141.26(a)(1).

*Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 017	**MNEMONIC NAME:** RG-A-CNCOB	**PROGRAM NAME:** RGF-ALFA-COM-NONCOMM-BOTH

DESCRIPTION AND USE: Indicates whether the regulations specified by the input form for gross alpha radioactivity apply to Community Water Systems, Non-Community Water Systems or both.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

C - Community Water Systems
N - Non-Community Water Systems
B - Both

EDIT CRITERIA:

Must be 'C', 'N', or 'B', as shown above.
Error code 011.

ADDITIONAL COMMENTS:
Federal Radionuclide regulations are mandatory for Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 018*	**MNEMONIC NAME:** RG-CONID	**PROGRAM NAME:** RGF-BETA-CONTAMINANT-ID

DESCRIPTION AND USE: A 4-digit number for identifying a contaminant	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S):

Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be: 1. numeric - error code 010
2. a member of the Contaminant Code Table section of the Code Value Table. error code 005
3. entered-error code 011

ADDITIONAL COMMENTS:

Federal codes are standardized but State may add more contaminants to the Contaminant Code Table.

*See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
019	RG-B-RGLVL	RGF-BETA-REGU-LEVEL

DESCRIPTION AND USE: Used to indicate if the regulations concerning a contaminant are State or Federal regulations, and whether they are primary or secondary regulations.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

SP - State, Primary
SS - State, Secondary
FP - Federal, Primary
FS - Federal, Secondary

EDIT CRITERIA:

Must be in above list - error code 011

ADDITIONAL COMMENTS:

Regulations Table printout must be visually verified.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 020	**MNEMONIC NAME:** RG-B-CONAM	**PROGRAM NAME:** RGF-BETA-CONTAM-NAME

DESCRIPTION AND USE: The scientific name of a contaminant used to simplify identification of contaminants and visual verification of the regulations printout.	**DATA TYPE:** A/N **PICTURE:** X(15)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N/A

Any alphanumeric string.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 021	**MNEMONIC NAME:** RG-B-EFFDT	**PROGRAM NAME:** RGF-BETA-EFFECTIVE DATE

DESCRIPTION AND USE: Date on which the applicable regulations become effective.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any valid date

EDIT CRITERIA:

Valid date or empty.
Invalid date - error code 033

ADDITIONAL COMMENTS:
When not input to PWSIF, set according to PWS type:
1. Community - June 1, 1977
2. Non-Community - June 1, 1977

The input format is MMDDYY which is converted to the Julian file format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 022	**MNEMONIC NAME:** RG-B-ANMCL	**PROGRAM NAME:** RGF-BETA-MCL-ANNUAL-DOSAGE

DESCRIPTION AND USE: The minimum annual average dose equivalent of gross beta radioactivity expressed in millirems/year. Applies to Community Water Systems only.	**DATA TYPE:** N **PICTURE:** 9V9

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations set dosage rate at 4 millirims/year, per 141.16(b). State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 023	**MNEMONIC NAME:** RG-B-TRISC	**PROGRAM NAME:** RGF-BETA-TRITIUM-SCREENING

DESCRIPTION AND USE: Maximum average annual concentration of tritium beta particle activity for screening levels, expressed in Picocuries/liter. (Applies to Community).

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set screening level at 20,000 pCi/l per 141.16(b)(Table.A)
State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 024	**MNEMONIC NAME:** RG-B-STRSC	**PROGRAM NAME:** RGF-BETA-STRONTIUM90-SCREENING

DESCRIPTION AND USE: Maximum average annual concentration of Strontium-90 beta particle activity for screening levels, expressed in Picocuries/liter. (Applies to Community Water).	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set screening level at 8 pCi/1 per 141.16(b)(Table.A)
State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 025

MNEMONIC NAME: RG-B-MBENN

PROGRAM NAME: RGF-BETA-MAJ-BETA-EM-NO-NUCL

DESCRIPTION AND USE: Maximum gross beta particle radioactivity screening level for major beta emitters with no contamination by effluents from nuclear facilities. Expressed in *

DATA TYPE: N

PICTURE: 9(2)V9

SOURCE(S):

Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set screening level at 50 pCi/l per 141.26(b)(1). State regulations must not exceed this.

* Picocuries/liter. Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 026	**MNEMONIC NAME:** RG-B-MBECN	**PROGRAM NAME:** RGF-BETA-MAJ-EM-CON-NUCL

DESCRIPTION AND USE: Maximum gross beta particle radioactivity screening level for major beta emitters for waters contaminated by effluents from nuclear facilities. Expressed in *	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set screening level at 50 pCi/l, per 141.26(b)(4)(i). State regulations must not exceed this.

*Picocuries/liter.Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 027	**MNEMONIC NAME:** RG-B-S8C1C	**PROGRAM NAME:** RGF-BETA-STRON89-CES134-CON-NU

DESCRIPTION AND USE: Maximum gross beta particle radioactivity screening level for Strontium-89 and Cesium 134 for water contaminated by effluents from nuclear facilities. Expressed *	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set screening level at 15 pCi/l, per 141.26(b)(4)(i). State regulations must not exceed this.

* in Picocuries/liter. Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 028	**MNEMONIC NAME:** RG-B-CNCOB	**PROGRAM NAME:** RGF-BETA-COM-NONCOMM-BOTH

DESCRIPTION AND USE: Indicates whether the regulations specified by the input form for gross beta radioactivity apply to Community Water Systems, Non-Community Water Systems, or both	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

C - Community Water Systems
N - Non-Community Water Systems
B - Both

EDIT CRITERIA:

Must be 'C', 'N', or 'B' as shown above - error code 011

ADDITIONAL COMMENTS:

The Federal Radionuclide regulations are mandatory for Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 029	**MNEMONIC NAME:** RG-B-MONGD	**PROGRAM NAME:** RGF-BETA-MONIT-GRD-WTR-REQD

DESCRIPTION AND USE: Indicates if monitoring of ground water sources is required for gross beta radioactivity analysis. Applies to Community Water Systems only.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Y - Yes, Ground Water only Monitoring required
N - No, Ground Water only Monitoring not required

EDIT CRITERIA:

Must be: 'Y' or 'N' as shown above - error code 011

ADDITIONAL COMMENTS:
Federal regulations currently do not require monitoring of gross beta activity for ground water only sources, per regs 141.26(b)(1).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 030	**MNEMONIC NAME:** RG-B-AVCOM	**PROGRAM NAME:** RGF-BETA-AVERAGE-COMPOS-SAMPLE

DESCRIPTION AND USE: Indicates whether a sample average, a composite sample or both is acceptable for monitoring gross beta radioactivity. Applies to Community Water Systems only.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A - Average
B - Both
C - Composite

EDIT CRITERIA:

Must be 'A', 'B', or 'C' as shown above - error code 011

ADDITIONAL COMMENTS:

Federal regulations currently accept all the options, per 141.26 (b)(1).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 031	**MNEMONIC NAME:** RG-B-MNPOP	**PROGRAM NAME:** RGF-BETA-MIN-POPULATION-ANNUAL

DESCRIPTION AND USE: The minimum population served by a community water system for requiring annual monitoring for beta particle radioactivity. Applies to Community Water Systems only.	**DATA TYPE:** N **PICTURE:** 9(6)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set the minimum population required at 100,000, per 141.26 (b)(1).
State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 032	**MNEMONIC NAME:** RG-B-NNMSP	**PROGRAM NAME:** RGF-BETA-N-NUM-SAMPLES-YEAR

DESCRIPTION AND USE: The number of consecutive quarters for gross beta particle radioactivity sampling, for waters not contaminated by effluents from nuclear facilities. *	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:
Federal regulations presently require the following number of samples per year: 4 per 141.26(b)(1). State regulations must meet or exceed this.

* Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 033	**MNEMONIC NAME:** RG-B-NNMFQ	**PROGRAM NAME:** RGF-BETA-N-NORM-MONIT-FREQ

DESCRIPTION AND USE: Minimum normal monitoring frequency for gross beta radioactivity analysis, expressed in years, for waters not contaminated by effluents from a nuclear facility. *	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive value greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulation currently set the monitoring frequencies as follows: every 4 years, per 141.26(b)(1). State regulations must meet or exceed this.

* Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 034	**MNEMONIC NAME:** RG-B-NVMFQ	**PROGRAM NAME:** RGF-BETA-N-VIOL-MONIT-FREQ

DESCRIPTION AND USE: Minimum monitoring frequency for gross beta radioactivity analysis, expressed in days, when the PWS is in violation*	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS: Federal regulations currently require the following minimum monitoring frequency: monthly (1), per 141.26(b)(5). State regulations must equal this value.

*of the MCL, for waters not contaminated by effluents from nuclear facilities.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 035	**MNEMONIC NAME:** RG-B-CNIOS	**PROGRAM NAME:** RGF-BETA-C-NUM-IODINE-SAMPLES

DESCRIPTION AND USE: The number of samples per year for gross beta particle radioactivity sampling for waters contaminated by effluents from nuclear facilities, for Iodine-131 sampling. *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations presently require the following number of samples per year: 20 (5 daily @ quarter) per 141.26 (b)(4). State regulations must meet or exceed this.

* Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 036	**MNEMONIC NAME:** RG-B-CNSTS	**PROGRAM NAME:** RGF-BETA-C-NUM-STRONT-SAMPLES

DESCRIPTION AND USE: The number of samples per year for gross beta particle radioactivity sampling for waters contaminated by effluents from nuclear facilities for Strontium-90 and*	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations presently require the following number of samples per year: 4 (quarterly) per 141.26(b)(4). State regulations must meet or exceed this.

*Tritium sampling. Apply to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 037	**MNEMONIC NAME:** RG-B-CIOMF	**PROGRAM NAME:** RGF-BETA-C-IODINE-MONIT-FREQ

DESCRIPTION AND USE: Minimum normal monitoring frequency for gross beta radioactivity analysis, expressed in months for waters contaminated by effluents from a nuclear facility for *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive value greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations currently set the monitoring frequencies as follows: every 3 months (quarterly) per 141.26(b)(4)(ii). State regulations must meet or exceed this.

* Iodine-131 sampling. Apply to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 038

MNEMONIC NAME: RG-B-CSTMF

PROGRAM NAME: RGF-BETA-C-STRONT-MONIT-FREQ

DESCRIPTION AND USE: Minimum normal monitoring frequency for gross beta radioactivity analysis expressed in months, for waters contaminated by effluents from a nuclear facility for *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive value greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations currently set the monitoring frequencies as follows: 12 months (annual) per 141.26(b)(4)(iii). State regulations must meet or exceed this.

*Strontium-90 and Tritium sampling. Apply to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 039	**MNEMONIC NAME:** RG-B-CVMFQ	**PROGRAM NAME:** RGF-BETA-C-VIOL-MONIT-FREQ

DESCRIPTION AND USE: Minimum monitoring frequency for gross beta radioactivity analysis, expressed in days, when the PWS is in violation of the MCL, for waters contaminated by *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS: Federal regulations currently require the following minimum monitoring frequency: monthly (1) per 141.26(b)(5). State regulations must equal this.

* effluents from nuclear facilities. Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 040	**MNEMONIC NAME:** RG-B-CIOSP	**PROGRAM NAME:** RGF-BETA-C-IODINE131-CONS-SPLS

DESCRIPTION AND USE: The number of consecutive daily samples of Iodine-131 required each quarter for gross beta particle analysis for waters contaminated by effluents from *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations presently require 5 consecutive daily samples, per 141.26(b)(t)(ii). State regulations must meet or exceed this.

*nuclear facilities. Applies to Community Water Systems only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Depending upon application	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 041 *	**MNEMONIC NAME:** RG-CONID	**PROGRAM NAME:** RGF-CHEM-CONTAMINANT-ID

DESCRIPTION AND USE:
A 4-digit number for identifying a contaminant.

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. a member of the Contaminant Code Table section of the Code Value Table file - error code 005

ADDITIONAL COMMENTS:
Federal codes are standardized but State may add more contaminants to the Contaminant Code Table.

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 042	**MNEMONIC NAME:** RG-C-RGLVL	**PROGRAM NAME:** RGF-CHEM-REGU-LEVEL

DESCRIPTION AND USE: Used to indicate if the regulations concerning a contaminant are State or Federal regulations, and whether they are primary or secondary regulations.	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

SP - State, Primary
SS - State, Secondary
FP - Federal, Primary
FS - Federal, Secondary

EDIT CRITERIA:

Must be in above list - error code 011

ADDITIONAL COMMENTS:

Regulations Table printout must be visually verified.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 043	**MNEMONIC NAME:** RG-C-CONAM	**PROGRAM NAME:** RGF-CHEM-CONTAM-NAME

DESCRIPTION AND USE: The scientific name of a contaminant. Used to simplify identification of contaminants and visual notification of the regulations printout.	**DATA TYPE:** A/N **PICTURE:** X(15)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N/A

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Contained in Contaminant Code Table records of Code Value Table by Contaminant ID.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 044	**MNEMONIC NAME:** RG-C-RSNCD	**PROGRAM NAME:** RGF-CHEM-REASON-CODE

DESCRIPTION AND USE: The code indicating the reason a chemical is a contaminant in the regulations	**DATA TYPE:** A/N
	PICTURE: X(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

H - Health Hazard
O - Odor
T - Taste
C - Color

EDIT CRITERIA:

Must be:
1. alpha - error code 011
2. must be contained on the Code Value Table - error code 014

ADDITIONAL COMMENTS:

Both values are the required ones; state may add others.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 045	**MNEMONIC NAME:** RG-C-MCLUN	**PROGRAM NAME:** RGF-CHEM-MCL-UNITS

DESCRIPTION AND USE: Name of the units used to measure contaminant level in drinking water.	**DATA TYPE:** A/N **PICTURE:** X(6)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N/A

EDIT CRITERIA:

Non-blank only - error code 011

ADDITIONAL COMMENTS:

Can currently use "mg/l" only.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 046	**MNEMONIC NAME:** RG-C-MCL	**PROGRAM NAME:** RGF-CHEM-MCL

DESCRIPTION AND USE: The maximum or minimum level defined by State or Federal regulations for each contaminant, or as determined by a variance or exemption.

DATA TYPE: N

PICTURE: 9(6)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A numeric value greater than zero.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal Value - error code 012 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set MCL values for chemicals. State values must be equal to or less than the Federal values as per regulations 141.21(b), Inorganic, and 141.12(a), Organic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 047	**MNEMONIC NAME:** RG-C-MCLDC	**PROGRAM NAME:** RGF-CHEM-MCL-DECIMALS

DESCRIPTION AND USE: Number of decimals in the applicable MCL. Used for editing the MCL and the results of the analysis. Applies to chemical contaminants only.

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

0 to 9

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. 0 to 9 - error code 013 (too low)
3. as stringent as Federal - error code 007 (too few decimals)

ADDITIONAL COMMENTS:

Example: If the MCL is 005400 and RG-MCL-DEC=5, then RG-MCL= 0.05400. State value if same RG-C-MCL as Federal must have equal or more decimals in this value of RG-C-MCLDC.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 048	**MNEMONIC NAME:** RG-C-MCLOW	**PROGRAM NAME:** RGF-CHEM-MCL-LOW-LIMIT

DESCRIPTION AND USE: This data element specifies, for a chemical contaminant, the lowest reasonable value of analysis result. This value is used for validating the result.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any non-negative numeric value.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. zero or greater - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

See RG-C-MCLOD for stringency comments.
Not used for MCL checks - only for edit checks.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 049	**MNEMONIC NAME:** RG-C-MCLOD	**PROGRAM NAME:** RGF-CHEM-MCL-LOW-DECIMALS

DESCRIPTION AND USE:
This data element specifies the number of decimal places in: RG-C-MCLOW

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any single digit number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. within range of 1-9 - error code 013 (too low)
3. as stringent as Federal - error code 007 (too few decimals)

ADDITIONAL COMMENTS:

State value if same as Federal RG-C-MCLOW, must have equal or more decimals in this value of RG-C-MCLOD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 050	**MNEMONIC NAME:** RG-C-MCLHI	**PROGRAM NAME:** RGF-CHEM-MCL-HIGH-LIMIT

DESCRIPTION AND USE: This data element specifies, for a chemical contaminant, the highest reasonable value of the analysis result. This value is used for validating the results.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any non-negative number.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. zero or greater - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

See RG-C-MCLHD for stringency comments. Not used for MCL checks - only for edit checks.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 051	**MNEMONIC NAME:** RG-C-MCLHD	**PROGRAM NAME:** RGF-CHEM-MCL-HIGH-DECIMALS

DESCRIPTION AND USE:
This data element specifies the number of decimal places in: RG-C-MCLHI.

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any single digit number.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. within the range of 1-9 - error code 013 (too low)
3. as stringent as Federal - error code 017 (too few decimals)

ADDITIONAL COMMENTS:

State value if same as Federal RG-C-MCLHI, must have equal or more decimals in this value of RG-C-MCLHD.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
052	RG-C-CKSAM	RGF-CHEM-MCL-CHECK-SAMPLES

DESCRIPTION AND USE:
The number of initial check samples required when MCL is violated for chemical sampling

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number.

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulations currently require the following:
141.24(b) - 3 samples - Organic Chemicals
141.23(b) - 3 samples - Inorganic Chemicals
141.23(d) - 1 sample - Nitrate only
State values must equal or exceed these.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 053	**MNEMONIC NAME:** RG-C-SEACD	**PROGRAM NAME:** RGF-CHEM-MCL-SEASONAL-CODE

DESCRIPTION AND USE: A flag indicating whether seasonal sampling applies to a contaminant. If so, MSIS will schedule sampling during season time. Season is determined by PWF data*

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N - Seasonal Sampling not required
Y - Seasonal Sampling required

EDIT CRITERIA:

Must be N or Y (applies to Organic Chemicals only)
Error code - 011

ADDITIONAL COMMENTS: Sample taken out of season will not be rejected by a Water Quality Compliance Subsystem, but will not be considered as complying with sampling requirements.

*elements PW-SEA-STR and PW-SEA-END

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 054	MNEMONIC NAME: RG-C-SPECD	PROGRAM NAME: RGF-CHEM-MCL-SPECIAL-CODE

DESCRIPTION AND USE: Code used to describe special considerations when comparing analysis results to the MCL.	DATA TYPE: A/N PICTURE: X(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Y - Special Computations required
N - Special Computations not required

EDIT CRITERIA:

1. Must be 'Y' or 'N' - error code 011
2. If 'N' for Fluoride - error code 013

Applies to Fluoride only

ADDITIONAL COMMENTS:
Federal regulations currently require special computations for Fluoride. Must be the same for the state.
Federal regulations 141.11(c).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 055	**MNEMONIC NAME:** RG-C-MINTM	**PROGRAM NAME:** RGF-CHEM-MCL-MAX-TIME

DESCRIPTION AND USE The maximum time, expressed in hours, to initiate second sample analysis if regular sample is in violation. Used for Nitrate analysis.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

(Nitrate only)

Must be: 1. numeric - error code 010

2. greater than zero - error code 013 (too low)

3. Applies to Nitrate only - if 'B' - error code 006

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 24 hours. State regulations must not exceed this Federal regulation - 141.23(d)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976

VERSION: 1

REQUESTED BY EPA TO BE REPORTED ANNUALLY: No

MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 056

MNEMONIC NAME: RG-C-CHKPD

PROGRAM NAME: RGF-CHEM-MCL-CHECK-PERIOD

DESCRIPTION AND USE: This data element specifies the period, expressed in days, during which the initial check samples must be taken if a regular sample violates MCL in Chemical sample.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set the following requirements:

141.24(b) - Organic Chemicals - 3 samples within 30 days.
141.23(b) - Inorganic Chemicals - 3 samples within 30 days.
141.23(d) - Nitrate only - 1 sample within 1 day.

State regulations must not exceed these.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 057	**MNEMONIC NAME:** RG-C-CEFDT	**PROGRAM NAME:** RGF-CHEM-COM-EFFECTIVE-DATE

DESCRIPTION AND USE: Date on which the applicable regulations become effective.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any valid date

EDIT CRITERIA:

Valid date or empty.
Invalid date - error code 403

ADDITIONAL COMMENTS:

When not input to PWF, set according to PWS type:
(1) Community - June 1, 1977
(2) Non-Community - June 1, 1977
This input format is MMDDYY which is converted to the Julian, file format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 058	**MNEMONIC NAME:** RG-C-CGRYR	**PROGRAM NAME:** RGF-CHEM-COM-GRD-YRS-FST

DESCRIPTION AND USE: Number of years during which the first water sample must be taken and analyzed for the applicable contaminant.	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric:
Organic Chemicals - set by the State
Inorganic Chemical - set by Federal regs at 2

EDIT CRITERIA:

(Inorganic Only) - Federal
Must be:
1. numeric - error code 010
2. within range set by the State (Organic Chemicals) - error code 011
3. 0 to 9 range (Inorganic Chemicals) - error code 013 (too low)
4. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS: Federal regulations currently require sampling of ground only water sources for community PWS for Inorganic Chemicals only - State must not exceed these values. For Organic Chemicals - State sets its own values for ground water only.
Federal Regulations - 141.23(a)(2)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, State only (Organic) Yes, Fed. only (Inorganic)

DATA ELEMENT

CATALOGUE NO.: 059	**MNEMONIC NAME:** RG-C-CGSPF	**PROGRAM NAME:** RGF-CHEM-COM-GRD-SAMPLE-FREQ

DESCRIPTION AND USE: Sampling frequency for analysis as applied to a particular contaminant, expressed in days.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A positive number:

Organic Chemicals - set by the State
Inorganic Chemicals - set by Federal regs at 3 years (1095 days)

EDIT CRITERIA:

(Inorganic Only) - Federal
Must be:
1. numeric - error code 010
2. greater than zero - error code 013
3. within range set by State (Organic Chemicals) - error code 011
4. 1 to 9999 (Inorganic Chemicals) - error code 013 (too low)
5. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS: Federal regulations currently require sampling of ground only water sources for Community PWS for Inorganic Chemicals only - State must not exceed 1095 days.
For organic Chemicals - State sets its own value for ground water only. Federal Regulations - 141.23(a)(2)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, State only

DATA ELEMENT

CATALOGUE NO.: 060	**MNEMONIC NAME:** RC-C-CGVFQ	**PROGRAM NAME:** RGF-CHEM-COM-GRD-VIOL-FREQ

DESCRIPTION AND USE: Minimum sampling frequency express in days, when MCL is violated for chemical contaminants.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:	—	x							

ACCEPTABLE VALUES:

Any positive integer, established by the State.

EDIT CRITERIA:

(Inorganic Only) - Federal

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. established by the State - error code 407

ADDITIONAL COMMENTS: Federal regulations currently require sampling of ground only water sources for Community PWS for Inorganic Chemicals only. This value is set by the State, per 141.23(c).
For Organic Chemicals - State sets its own value for ground water only, per 141.23(c) and 141.24(c).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only (inorganic Yes, State only (organic)

DATA ELEMENT

CATALOGUE NO.: 061	**MNEMONIC NAME:** RG-C-CGMNG	**PROGRAM NAME:** RFG-CHEM-COM-GRD-MIN-NEG

DESCRIPTION AND USE: Minimum number of successive negative samples to return to normal frequency when MCL is violated for chemical contaminants.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive integer

EDIT CRITERIA:

(Inorganic Only)

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations currently require sampling of ground only water sources for Community PWS for Inorganic Chemicals only. Minimum value set is 2 samples, per 141.23(c)
For Organic Chemicals - State sets its own values.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 062	**MNEMONIC NAME:** RG-C-CSRYR	**PROGRAM NAME:** RGF-CHEM-COM-SUR-YRS-FST

DESCRIPTION AND USE:
Number of years during which the first water sample must be taken and analyzed for the applicable contaminant.

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. 0 to 9 - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 1 year. State values must not exceed this.

Federal Regulations: 141.23(a)(1) - Inorganic
141.24(a)(1) - Organic

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 063	**MNEMONIC NAME:** RG-C-CSSPF	**PROGRAM NAME:** RGF-CHEM-COM-SUR-SAMPLE-FREQ

DESCRIPTION AND USE: Sampling frequency for analysis as applied to a particular contaminant, expressed in days.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A positive number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value as follows:
   a. Inorganic Chemicals - yearly (365 days)
   b. Organic Chemicals -set by the State, 3 year (1095 days) max.
State values may not exceed these: Federal Regulations: Inorganic -141.23(a)(1); Organic - 141.24(a)(1)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, State only

DATA ELEMENT

CATALOGUE NO.: 064	**MNEMONIC NAME:** RG-C-CSVFQ	**PROGRAM NAME:** RGF-CHEM-COM-SUR-VIOL-FREQ

DESCRIPTION AND USE: Minimum sampling frequency, expressed in days, when MCL is violated for chemical contaminants	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive integer

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. established by the State - error code 407

ADDITIONAL COMMENTS:

This value is set by the State as per Federal regulations:
141.23(c) - Inorganic chemicals
141.24(c) - Organic chemicals

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 065	**MNEMONIC NAME:** RG-C-CSMNG	**PROGRAM NAME:** RGF-CHEM-COM-SUR-MIN-NEG

DESCRIPTION AND USE: Minimum number of successive negative samples to return to normal frequency when MCL is violated for chemical contaminants

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive integer

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 2. State values must equal or exceed this. Federal regulations: 141.23(c) - Inorganic Chemicals; 141.24(c) - Organic Chemicals

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 066	**MNEMONIC NAME:** RG-C-NEFDT	**PROGRAM NAME:** RGF-CHEM-NCOM-EFFECTIVE-DATE

DESCRIPTION AND USE: Date on which the applicable regulations become effective. On the VEF, the date on which the variance or exemption becomes effective.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any valid date (Nitrate only)

EDIT CRITERIA:

Valid date or empty
Invalid date - error code 407

ADDITIONAL COMMENTS:

When not input to PWF, set according to PWS type:
(1) Community - June 1, 1977
(2) Non-Community - June 1, 1977
The input format is MMDDYY which is converted to the Julian, file format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 067	**MNEMONIC NAME:** RG-C-NGRYR	**PROGRAM NAME:** RGF-CHEM-NCOM-GRD-YRS-FST

DESCRIPTION AND USE: Number of years during which the first water sample must be taken and analyzed for the applicable contaminant.	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

(for Nitrate only)
Must be: 1. numeric - error code 010
2. 8 to 9 - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently require monitoring of non-community PWS for Nitrate only - setting this value at 2 years. State values may not exceed this. Federal regulations 141.23(a)(3).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, State only

DATA ELEMENT

CATALOGUE NO.: 068	**MNEMONIC NAME:** RG-C-NGSPF	**PROGRAM NAME:** RGP-CHEM-NCOM-GRD-SAMPLE-FREQ

DESCRIPTION AND USE: Sampling frequency for analysis as applied to a particular contaminant, expressed in days.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A positive number, set by the State.

EDIT CRITERIA:

(Nitrate only)

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. within the range set by the State- error code 407

ADDITIONAL COMMENTS:

Federal regulations currently require monitoring of Non-community PWS for Nitrate only. This sampling frequency value is set by the State,per Federal regulations 141.23(a)(1).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, State only

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
069	RG-C-NGVFQ	RGF-CHEM-NCOM-GRD-VIOL-FREQ

DESCRIPTION AND USE:	DATA TYPE:
Minimum sampling frequency, expressed in days, when MCL is violated for chemical contaminants.	N
	PICTURE: 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive integer

EDIT CRITERIA:

(Nitrate only)
Must be: 1. numeric - error code 010
2. greater than zero - error 013 (too low)
3. established by the State - error code 407

ADDITIONAL COMMENTS:
lthough initial check sampling requirements for Nitrate are stablished by the Fedreal regs, the sampling fequency while MCL is violated is left to the States per 141.23(c) and 141.23(d).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 070	**MNEMONIC NAME:** RG-C-NGMNG	**PROGRAM NAME:** RGF-CHEM-NCOM-GRD-MIN-NEG

DESCRIPTION AND USE: Minimum number of successive negative samples to return to normal frequency when MCL is violated for chemical contaminants.	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive integer

EDIT CRITERIA:

(Nitrate only)

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulations currently require monitoring of non-community PWS for Nitrate only - setting this value at 2 per Federal regs 141.23(c)
State values must equal or exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 071	**MNEMONIC NAME:** RG-C-NSRYR	**PROGRAM NAME:** RGF-CHEM-NCOM-SUR-YRS-FST

DESCRIPTION AND USE: Number of years during which the first water sample must be taken and analyzed for the applicable contaminant.	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

0 to 2

EDIT CRITERIA:

(Nitrate only)

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently require monitoring of non-community PWS for Nitrate only -setting this value at 2 years, per Federal regulations 141.23(a)(3)
State regulations may not exceed this value.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, State only

DATA ELEMENT

CATALOGUE NO.: 072	**MNEMONIC NAME:** RG-C-NSSPF	**PROGRAM NAME:** RGF-CHEM-NCOM-SUR-SAMPLE-FREQ

DESCRIPTION AND USE:
Sampling frequency for analysis as applied to a particular contaminant, expressed in days.

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A positive number, set by the State

EDIT CRITERIA:

(Nitrate only)

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. within the range set by the State - error code 407

ADDITIONAL COMMENTS:
Federal regulations currently require monitoring of Non-community PWS for Nitrate only - this sampling frequency is set by the State, per Federal regulations 141.23(a)(3).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, State only

DATA ELEMENT

CATALOGUE NO.: 073	**MNEMONIC NAME:** RG-C-NSVFQ	**PROGRAM NAME:** RGF-CHEM-NCOM-SUR-VIOL-FREQ

DESCRIPTION AND USE: Minimum sampling frequency, expressed in days, when MCL is violated for chemical contaminants	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive integer

EDIT CRITERIA:

(Nitrate only)

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. established by the State - error code 407

ADDITIONAL COMMENTS:

Although initial check sampling requirements for Nitrate are established by the Federal regs, the sampling frequency while MCL is violated is left to the States per 141.23(c) and 141.23(d)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 074	**MNEMONIC NAME:** RG-C-NSMNG	**PROGRAM NAME:** RGF-CHEM-NCOM-SUR-MIN-NEG

DESCRIPTION AND USE: Minimum number of successive negative samples to return to normal frequency when MCL is violated for chemical contaminants	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive integer

EDIT CRITERIA:

(Nitrate only)

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulations currently require monitoring of Non-community PWS for Nitrate only - setting this value at 2 per Federal regs 141.23(c)
State regulations must meet or exceed this value.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Depending upon application	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 075*

MNEMONIC NAME: RG-CONID

PROGRAM NAME: RGF-EMIT-CONTAMINANT-ID

DESCRIPTION AND USE: A 4-digit number for identifying a contaminant.

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. a member of the Contaminant Code Table section of the Code Value Table file - error code 005

ADDITIONAL COMMENTS:

Federal codes are standardized but State may add more contaminants to the Contaminant Code Table.

*See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 076	**MNEMONIC NAME:** RG-E-RGLVL	**PROGRAM NAME:** RGF-EMIT-REGU-LEVEL

DESCRIPTION AND USE: Used to indicate if the regulations concerning a contaminant are State or Federal regulations, and whether they are primary or secondary regulations.	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

SP - State, Primary
SS - State, Secondary
FP - Federal, Primary
FS - Federal, Secondary

EDIT CRITERIA:

Must be in above list - error code 011

ADDITIONAL COMMENTS:

Regulations Table printout must be visually verified.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 077	**MNEMONIC NAME:** RG-E-TBLID	**PROGRAM NAME:** RGF-EMIT-TABLE-ID

DESCRIPTION AND USE:
Identifies the table for which the record is intended.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

1 - BACTI Population Table
2 - Fluoride MCL Table
3 - Major Beta Emitter Table

EDIT CRITERIA:

Must be 1, 2, or 3 as shown above - error code 011

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 078	**MNEMONIC NAME:** RG-E-EFFDT	**PROGRAM NAME:** RGF-EMIT-EFFECTIVE-DATE

DESCRIPTION AND USE: Date on which the applicable regulations become effective.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any valid date

EDIT CRITERIA:

Valid date or empty. Invalid date - error code 403

ADDITIONAL COMMENTS:

When not input to PWF, set according to PWS type:

(1) Community - June 1, 1977

(2) Noncommunity - June 1, 1977

The input format is MMDDYY which is converted to the Julian, file format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 079	**MNEMONIC NAME:** RG-E-CONAM	**PROGRAM NAME:** RGF-EMIT-CONTAM-NAME

DESCRIPTION AND USE: The scientific name of a contaminant. Used to simplify identification of contaminants and visual verification of the regulations printout.	**DATA TYPE:** A/N **PICTURE:** X(15)

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N/A

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 080

MNEMONIC NAME: RG-E-ANCON

PROGRAM NAME: RGF-EMIT-ANNUAL-CONCENT-EQUIV

DESCRIPTION AND USE: The average annual concentration of beta particle radioactivity equivalent to a total body or organ MCL dose of 4 millirems/yr, expressed in Picocuries/liter.

DATA TYPE: N

PICTURE: 9(5)V9

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations seciton 141.16 Table A lists some of the major MCL equivalents. State regulations must not exceed these values.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 081	**MNEMONIC NAME:** RG-E-DETLM	**PROGRAM NAME:** RGF-EMIT-DETECTION-LIMIT

DESCRIPTION AND USE:
The detection limits for beta radioactivity expressed in Picocuries/liter.

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations section 141.25 Table B lists some of the major detection limits.
State regulations must not exceed these values.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
082*	RG-E-NPPCD	RGF-EMIT-NUCL-FACILITY-CODE

DESCRIPTION AND USE:	
A 1-digit code used to identify the type of nuclear power plant.	DATA TYPE: A/N PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

As defined in the Code Value Table (CVT).

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. either 1 or 2 - error code 011
3. at least one code must be entered - error code 011

ADDITIONAL COMMENTS:

Default of 'b̸' (blank) applies if nothing entered, unless all 5 are blank, in which case they will remain blank and cause an error to be generated.

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976

VERSION: 1

REQUESTED BY EPA TO BE REPORTED ANNUALLY: No

MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes

DATA ELEMENT

CATALOGUE NO.: 083*

MNEMONIC NAME: RG-CONID

PROGRAM NAME: RGF-FLOR-CONTAMINANT-ID

DESCRIPTION AND USE:
A 4-digit number for identifying a contaminant.

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. a member of the Contaminant Code Table section of the Code Value Table file - error code 005

ADDITIONAL COMMENTS:
Federal codes are standardized but State may add more contaminants to the Contaminant Code Table.

*See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 084	**MNEMONIC NAME:** RG-F-RGLVL	**PROGRAM NAME:** RGF-FLOR-REGU-LEVEL

DESCRIPTION AND USE: Used to indicate if the regulations concerning a contaminant are State or Federal regulations, and whether they are primary or secondary regulations.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

SP - State, Primary
SS - State, Secondary
FP - Federal, Primary
FS - Federal, Secondary

EDIT CRITERIA:

Must be in above list - error code 011

ADDITIONAL COMMENTS:

Regulations Table printout must be visually verified.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 085	**MNEMONIC NAME:** RG-F-TBLID	**PROGRAM NAME:** RGF-FLOR-TABLE-ID

DESCRIPTION AND USE: Identifies the table for which the record is intended.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):

Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

1 - BACTI Population Table
2 - Fluoride MCL Table
3 - Major Beta Emitter Table

EDIT CRITERIA:

Must be 1, 2, or 3 as shown above - error code 011

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 086	**MNEMONIC NAME:** RG-F-TRFLO	**PROGRAM NAME:** RGF-FLOR-TEMP-FAHR-LOW

DESCRIPTION AND USE:
The lower range of temperature, expressed in degrees Fahrenheit, for Fluoride sampling.

DATA TYPE: N

PICTURE: 9(2)V9

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. less than corresponding RG-F-TRFHI - error code 007 (too high)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations currently set temperature ranges. State values may overlap Federal values but RG-F-TRMCL will be adjusted upward to meet the highest Federal requirement within the State temperature range. Missing State values will be substituted by Federal values shown in 141.11(d).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 087	**MNEMONIC NAME:** RG-F-TRFHI	**PROGRAM NAME:** RGF-FLOR-TEMP-FAHR-HIGH

DESCRIPTION AND USE: The upper range of temperature, expressed in degrees Fahrenheit for Fluoride sampling.	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. more than corresponding RG-F-TRFLO - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS: Federal regulations currently set temperature ranges. State values may overlap Federal values but RG-F-TRMCL will be adjusted upward to meet the highest Federal requirement within the State temperature range. Missing state values will be substituted by Federal values shown in 141.11(c).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 088	**MNEMONIC NAME:** RG-F-TRCLO	**PROGRAM NAME:** RGF-FLOR-TEMP-CENT-LOW

DESCRIPTION AND USE: The lower range of temperature, expressed in degrees Centigrade, for Fluoride sampling.	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. less than corresponding RG-F-TRCHI - error code 012 (too high)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations currently set temperature ranges. State values may overlap Federal values but RG-F-TRMCL will be adjusted upward to meet the highest Federal requirement within the State temperature range. Missing State values will be substituted by Federal Values shown in 141.11 (c).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 089	**MNEMONIC NAME:** RG-F-TRCHI	**PROGRAM NAME:** RGF-FLOR-TEMP-CENT-HIGH

DESCRIPTION AND USE: The upper range of temperature, expressed in degrees Centigrade, for Fluoride sampling.	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. more than corresponding RG-F-TRCLO - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS: Federal regulations currently set temperature ranges. State values may overlap Federal values but RG-F-TRMCL will be adjusted upward to meet the highest Federal requirement within the State temperature range. Missing State values will be substituted by Federal values shown in 141.11(c).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 090	**MNEMONIC NAME:** RG-F-TRMCL	**PROGRAM NAME:** RGF-FLOR-TEMP-RANGE-MCL

DESCRIPTION AND USE:
The MCL express in milligrams/liter for a corresponding temperature range (RG-F-TRFAR or RG-F-TRCEL) for Fluoride sampling.

DATA TYPE: N

PICTURE: 9(4)V99

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations currently set temperature ranges. State values may overlap Federal values but RG-F-TRMCL will be adjusted upward to meet the highest Federal requirement within the State temperature range. Missing State values will be substituted by Federal values shown in 141.11(c).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 091	**MNEMONIC NAME:** RG-F-RBFLO	**PROGRAM NAME:** RGF-FLOR-REAS-FAHR-LOW

DESCRIPTION AND USE: Lower reasonable bound of temperature ranges, as expressed in degrees Fahrenheit for Fluoride sampling	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. less than corresponding RG-F-RBFHI - error code 012 (too high)

ADDITIONAL COMMENTS:

Used only as an edit for temperature input data, not as an MCL check.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 092	**MNEMONIC NAME:** RG-F-RBFHI	**PROGRAM NAME:** RGF-FLOR-REAS-FAHR-HIGH

DESCRIPTION AND USE: Upper reasonable bound of temperature ranges, as expressed in degrees Fahrenheit, for Fluoride sampling.	**DATA TYPE:** N **PICTURE:** 9(2)V9

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be: 1. numeric - error code 010
2. more than corresponding RG-F-RBFLO - error code 013 (too low)

ADDITIONAL COMMENTS:

Used only as an edit for temperature input data, not as an MCL check.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 093	**MNEMONIC NAME:** Rg-F-RBCLO	**PROGRAM NAME:** RGF-FLOR-REAS-CENT-LOW

DESCRIPTION AND USE: Lower reasonable bound for temperature ranges, as expressed in degrees Centigrade, for Fluoride sampling.	**DATA TYPE:** N **PICTURE:** 9(2)V9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. less than corresponding RG-F-RBCHI - error code 012 (too high)

ADDITIONAL COMMENTS:

Used only as an edit for temperature input data, not as an MCL check.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 094	**MNEMONIC NAME:** RG-F-RBCHI	**PROGRAM NAME:** RGF-FLOR-REAS-CENT-HIGH

DESCRIPTION AND USE: Upper reasonable bound of temperature ranges as expressed in degrees Centigrade, for Fluoride sampling.	**DATA TYPE:** N **PICTURE:** 9(2)V9(1)

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. more than corresponding RG-F-RBCLO - error code 013 (too low)

ADDITIONAL COMMENTS:

Used only as an edit for temperature input data, not as an MCL check.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Depending upon application	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 095*	**MNEMONIC NAME:** RG-CONID	**PROGRAM NAME:** RGF-BACT-CONTAMINANT-ID

DESCRIPTION AND USE:
A 4-digit number for identifying a contaminant

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be: 1. numeric - error code 010
2. a member of the Contaminant Code Table section of the Code Value Table file - error code 005

ADDITIONAL COMMENTS:
Federal codes are standardized but State may add more contaminants to the Contaminant Code Table.

*See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes

DATA ELEMENT

CATALOGUE NO.: 096	MNEMONIC NAME: RG-M-RGLVL	PROGRAM NAME: RGF-BACT-REGU-LEVEL

DESCRIPTION AND USE: Used to indicate if the regulations concerning a contaminant are State or Federal regulations, and whether they are primary or secondary regulations.	DATA TYPE: A/N PICTURE: X(2)

SOURCE(S):

Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

SP - State, Primary
SS - State, Secondary
FP - Federal, Primary
FS - Federal, Secondary

EDIT CRITERIA:

Must be in above list - error code 011

ADDITIONAL COMMENTS:

Regulations Table printout must be visually verified.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 097	**MNEMONIC NAME:** RG-M-CONAM	**PROGRAM NAME:** RGF-BACT-CONTAM-NAME

DESCRIPTION AND USE: The scientific name of a contaminant. Used to simplify identification of contaminants and visual verification of the regulations printout.	**DATA TYPE:** A/N **PICTURE:** X(15)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N/A

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 098	**MNEMONIC NAME:** RG-M-EFFDT	**PROGRAM NAME:** RGF-BACT-EFFECTIVE-DATE

DESCRIPTION AND USE: Date on which the applicable regulations become effective. On the VEF, the date on which the variance or exemption becomes effective.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any valid date

EDIT CRITERIA:

Valid date or empty
Invalid date - error code 403

ADDITIONAL COMMENTS:

When not input to PWSIF, set according to PWS type:
(1) Community - June 1, 1977
(2) Noncommunity - June 1, 1977

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 099

MNEMONIC NAME: RG-M-MF-SM

PROGRAM NAME: RGF-BACT-MF-SINGLE-SAMPLE-MCL

DESCRIPTION AND USE: Represents the single sample MCL, the maximum number of coliform bacteria, per 100 milliters in a single sample, not to be exceeded. Used in Bacteriological sampling*

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 4. State regulations must not exceed this. Federal regulations - 141.14(a)(2).

*Membrane Filter Method

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
100	RG-M-MF-MT	RGF-BACT-MF-MONTHLY-MCL

DESCRIPTION AND USE: Represents the Monthly MCL, a number of coliform bacteria per 100 milliliters, as the mean of all samples examined per month not to be exceeded. Used in Bacteriological *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be: 1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 1. State regulations must not exceed this. Federal regulations - 141.14(a)(1).

*Sampling, Membrane Filter Method

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes,Federal only

DATA ELEMENT

CATALOGUE NO.: 101	**MNEMONIC NAME:** RG-M-MF-PS	**PROGRAM NAME:** RGF-BACT-MF-PERCENT-SAMPLES

DESCRIPTION AND USE: Represents the percent of samples, out of the total number of samples per month, containing a certain number of coliform bacteria per 100 milliliters - not *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 5. State regulations must not exceed this. Federal regulations - 141.14(a)(3).

*to be exceeded. Used in Bacteriological sampling, Membrane Filter Method.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 102	**MNEMONIC NAME:** RGF-M-MF-MR	**PROGRAM NAME:** RGF-BACT-MF-MIN-REQD-SAMPLES

DESCRIPTION AND USE: The minimum number of samples examined per month required in order to use the percent of samples (RG-M-MF-PS) instead of the monthly MCL (RG-M-MF-MT). Used in *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 005 (too low)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 20. State regulations may meet or exceed this. Federal regulations - 141.14(a)(2) and 141.14(a)(3).

*Bacteriological sampling, Membrane Filter Method.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 103	**MNEMONIC NAME:** RG-M-MF-MC	**PROGRAM NAME:** RGF-BACT-MF-MCL-FOR-PERCENT

DESCRIPTION AND USE: The number of coliform bacteria per 100 milliliters which should not be exceeded for a specific number of samples (RGF-BACT-MF-MONTHLY-MCL) when less than a *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 4. State regulations may not exceed this. Federal regulations - 141.14(a)(3).

*specific number of samples (RGF-BACT-MF-MIN-REQD-SAMPLES) are examined per month.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 104

MNEMONIC NAME: RG-M-FT-SM

PROGRAM NAME: RGF-BACT-FT-SINGLE-SAMPLE-MCL

DESCRIPTION AND USE: Represents the Single Sample MCL, the maximum number of positive portions in a single sample, not to be met or exceeded. Used in Bacteriological sampling. *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 3. State regulations must not exceed this. Federal regulations - 141.14(b)(1)(ii).

*Fermentation Tube 10 ml. method.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 105	**MNEMONIC NAME:** RG-M-FT-MT	**PROGRAM NAME:** RGF-BACT-FT-MONTHLY-MCL

DESCRIPTION AND USE: Represents the Monthly MCL, the positive portions as a percent of the total number of samples in any month. Not to be exceeded. Used in Bacteriological *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 10. State regulations must not exceed this. Federal regulations - 141.14(b)(1)(i).

*Sampling, Ferm. Tube 10 ml. method.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
106	RG-M-FT-PS	RGF-BACT-FT-PERCENT-SAMPLES

DESCRIPTION AND USE: Represents the percent of samples, out of the total number of samples per month, containing positive portions out of the total number of samples per month *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 5. State regulations must not exceed this. Federal regulations - 141.14(b)(1)(iii).

*containing a certain number of positive portions - not to be exceeded. Used in bacteriological sampling, Ferm. Tube 10 ml. method

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 107	**MNEMONIC NAME:** RG-M-FT-MR	**PROGRAM NAME:** RGF-BACT-FT-MIN-REQD-SAMPLES

DESCRIPTION AND USE: The minimum number of samples examined per month required in order to use the percent of samples (RG-M-FT-PS) instead of the Monthly MCL (RG-M-FT-MT). Used in *	**DATA TYPE:** N
	PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 20. State regulations may meet or exceed this. Federal regulations - 141.14(b)(1)(ii) and 141.14(b)(1)(iii).

*Bacteriological sampling.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 108	**MNEMONIC NAME:** RG-M-FT-MC	**PROGRAM NAME:** RGF-BACT-FT-MCL-FOR-PERCENT

DESCRIPTION AND USE: The required number of positive portions. When the percent MCL (RG-M-FT-PS) is used, not to be met or exceeded. Used in Bacteriological Sampling.	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 3. State regulations may not exceed this. Federal regulations - 141.14(b)(1)(iii).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 109	**MNEMONIC NAME:** RG-M-FH-SM	**PROGRAM NAME:** RGT-BACT-FH-SINGLE-SAMPLE-MCL

DESCRIPTION AND USE: Represents the Single Sample MCL, the maximum number of positive portions in a single sample, not to be met or exceeded. Used in Bacteriological sampling *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 5. State regulations must not exceed this. Federal regulations - 141.14(b)(2)(ii).

*Ferm. Tube 100 ml. method.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
110	RG-M-FH-MT	RGF-BACT-FH-MONTHLY-MCL

DESCRIPTION AND USE: Represents the Monthly MCL, the positive portions as a percent of the total number of samples in any one month - not to be exceeded. Used in bacteriological *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 60. State regulations must not exceed this. Federal regulations - 141.14(b)(2)(i).

*sampling, Ferm. Tube 100 ml. method.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes,Federal only

DATA ELEMENT

CATALOGUE NO.: 111

MNEMONIC NAME: RG-M-FH-PS

PROGRAM NAME: RGF-BACT-FH-PERCENT-SAMPLES

DESCRIPTION AND USE: Represents the percent of samples, out of the total number of samples per month, containing positive portions out of the total number of samples per month *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS: Federal regulations currently set this value at 20. State regulations must not exceed this. Federal regulations - 141.14(b)(2)(iii).

*containing a certain number of positive portions - not to be exceeded. Used in Bacteriological sampling, Ferm. Tube 100 ml. method.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 112	**MNEMONIC NAME:** RG-M-FH-MR	**PROGRAM NAME:** RGF-BACT-FH-MIN-REQD-SAMPLES

DESCRIPTION AND USE: The minimum number of samples examined per month required in order to use the percent of samples (RG-M-FH-PS) instead of the Monthly MCL (RG-M-FH-MT). Used in *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 5. State regulations may meet or exceed this. Federal regulations - 141.14(b)(2)(ii). and 141.14(b)(2)(iii).

*Bacteriological sampling, Ferm. Tube 100 ml. method.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 113	**MNEMONIC NAME:** RG-M-FH-MC	**PROGRAM NAME:** RGF-BACT-FH-MCL-FOR-PERCENT

DESCRIPTION AND USE: The required number of positive portions. When the percent MCL (RG-M-FH-PS) is used - not to be met or exceeded. Used in Bacteriological sampling.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 5. State regulations may not exceed this. Federal regulations 141.14(b)(a)(iii).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 114	**MNEMONIC NAME:** RG-M-RQMAX	**PROGRAM NAME:** RGF-BACT-REQMNTS-MAX-SAMPLES

DESCRIPTION AND USE:
The number of required samples, less than which, a PWS may waive monthly sampling. Used for Bacteriological contaminants.

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 4. State regulations may not exceed this value. Federal regulations - 141.14(c).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 115	**MNEMONIC NAME:** RG-M-RQSPD	**PROGRAM NAME:** RGF-BACT-REQMNTS-SAMPLE-PERIOD

DESCRIPTION AND USE: The sampling period, expressed in months, used in lieu of the one-month sampling period when the PWS qualifies under RG-M-RQMAX. Used for BACTI sampling.	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

1 to 9

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. value between 1 and 9 - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 3. State regulations must not exceed this value. Federal regulations - 141.14(c).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 116	**MNEMONIC NAME:** RG-M-CKCDS	**PROGRAM NAME:** RGF-BACT-CHK-MIN-DAILY-SAMPLES

DESCRIPTION AND USE: The minimum number of consecutive daily check samples required for Bacteriological sampling when single sample MCL is violated.	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 2. State regulations must meet or exceed this value. Federal regulations - 141.21(d)(1), 141.21(d)(2), 141.21(d)(3).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 117

MNEMONIC NAME: RG-M-CKMNP

PROGRAM NAME: RGF-BACT-CHK-MIN-NEG-PORTIONS

DESCRIPTION AND USE: The minimum number of consecutive negative check samples required to halt check sampling when single sample MCL is violated. Used for both 10 ml. and 100 ml. *

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 2. State regulations must meet or exceed this value. Federal regulations - 141.21(d)(2) and 141.21(d)(3)

*Fermentation Tube Methods for BACTI Sampling.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 118	**MNEMONIC NAME:** RG-M-CKMCB	**PROGRAM NAME:** RGF-BACT-CHK-MIN-MEMBRANE-FILT

DESCRIPTION AND USE: The number of consecutive check samples showing less than 1 coliform bacteria per 100 milliliters - to halt check sampling when single sample MCL is violated.*	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 2. State regulations must meet or exceed this value. Federal regulations - 141.21(b)(1).

*Use in BACTI sampling, Membrane Filter method.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 119	**MNEMONIC NAME:** RG-M-C-LEU	**PROGRAM NAME:** RGF-BACT-CHL-SAMPLES-IN-LIEU

DESCRIPTION AND USE: Number of samples to be taken for chlorine residual, in lieu of one sample required for bacteriological analysis, when the chlorine residual method is used. Used*	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):

Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 4. State regulations must meet or exceed this value. Federal regulations - 141.21(h)

*in BACTI sampling.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 120	**MNEMONIC NAME:** RG-M-C-MXP	**PROGRAM NAME:** RGF-BACT-CHL-MAX-PERCENT

DESCRIPTION AND USE: Percent of samples for bacteriological analysis that may be replaced by the equivalent number of samples for analysis by the chlorine residual method, at the *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 75(%). All State regulations must be less than or equal to this value. Federal regulations - 141.21(h).

* ratio indicated in RG-M-C-LEU.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 121	MNEMONIC NAME: RG-M-C-MCL	PROGRAM NAME: RGF-BACT-CHL-MIN-CHLORINE-LVL

DESCRIPTION AND USE: The minimum chlorine level, expressed as milligrams per liter, to be maintained throughout the PWS, used in Chlorine Residual Analysis Method.

DATA TYPE: N

PICTURE: V99

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric value greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013(too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:
Federal regulations set RG-M-C-MCL at 0.2 mg/lit. All state regulations must meet or exceed this value. Federal regulations - 141.21(h)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 122	**MNEMONIC NAME:** RG-M-C-MXT	**PROGRAM NAME:** RGF-BACT-CHL-MAX-TIME-RETEST

DESCRIPTION AND USE: The maximum time, expressed in minutes, to retest the chlorine level (using the chlorine residual analysis method) for coliform bacteria.	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
The Federal regulations specify "preferably within one hour" as the maximum. State regulations must not exceed this value. Federal regulations - 141.14(h).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** NO

DATA ELEMENT

CATALOGUE NO.: 123	**MNEMONIC NAME:** RG-M-NEFDT	**PROGRAM NAME:** RGF-BACT-NCOM-EFFECTIVE-DATE

DESCRIPTION AND USE: Date on which the applicable regulations become effective.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any valid date

EDIT CRITERIA:

Valid date or empty
Invalid date - error code 403

ADDITIONAL COMMENTS:
When not input to PWF, set according to PWS type:
(1) Community - June 1, 1977
(2) Noncommunity - June 1, 1977
The input format is MMDDYY which is converted to the Julian, file format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
9/23 1976	1	No	Yes, Federal only

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
124	RG-M-NSEAS	RGF-BACT-NCOM-SEASONAL-CODE

DESCRIPTION AND USE: A flag indicating whether seasonal sampling applies to a contaminant. If so, MSIS will schedule sampling during season time. Season is determined by PWF *

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N - Seasonal Sampling not required
Y - Seasonal Sampling required

EDIT CRITERIA:

Must be N or Y - error code 011

ADDITIONAL COMMENTS:
Sample taken out of season will not be rejected by the Water Quality Compliance Subsystem, but will not be considered as complying with sampling requirements.

* data elements PW-SEA-STR and PW-SEA-END.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes , Federal only

DATA ELEMENT

CATALOGUE NO.: 125	**MNEMONIC NAME:** RG-M-NPERD	**PROGRAM NAME:** RGP-BACT-NCOM-SAMPLING-PERIOD

DESCRIPTION AND USE: A flag to define the sampling period for bacteriological contaminants monitoring. Applies to non-community PWS's.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Q - Quarter
M - Month

EDIT CRITERIA:

must be 'Q' or 'M' - error code 011

ADDITIONAL COMMENTS:

The Federal regulations currently require quarterly sampling.
Federal regulations - 141.21(c).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 126	**MNEMONIC NAME:** RG-M-NSPFQ	**PROGRAM NAME:** RGF-BACT-NCOM-SAMPLE-FREQ

DESCRIPTION AND USE: Sampling frequency for analysis as applied to a particular contaminant, expressed in days. Used in bacteriological sampling for the non-community PWS.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A positive number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. equal to RG-M-NPERD expressed in days - error code 011
4. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently require quarterly sampling - 90 days, per 141.21(c)
Example: Weekly sampling - 7 days   Monthly sampling - 30 days
Quarterly sampling - 90 days   Yearly sampling - 365 days

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 127*	**MNEMONIC NAME:** RG-CONID	**PROGRAM NAME:** RGF-BPOP-CONTAMINANT-ID

DESCRIPTION AND USE:
A 4-digit number for identifying a contaminant.

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. a member of the Contaminant Code Table section of the Code Value Table files - error code 005

ADDITIONAL COMMENTS:
Federal codes are standardized but State may add more contaminants to the Contaminant Code Table.

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 128	**MNEMONIC NAME:** RG-P-RGLVL	**PROGRAM NAME:** RGF-BPOP-REGU-LEVEL

DESCRIPTION AND USE: Used to indicate if the regulations concerning a contaminant are State or Federal regulations, and whether they are primary or secondary regulations	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

FP - Federal, Primary
FS - Federal, Secondary
SP - State, Primary
SS - State, Secondary

EDIT CRITERIA:

Must be in above list - error code 011

ADDITIONAL COMMENTS:

Regulations Table printout must be visually verified.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 129	**MNEMONIC NAME:** RG-P-TBLID	**PROGRAM NAME:** RGF-BPOP-TABLE-ID

DESCRIPTION AND USE: Identifies the table for which the record is intended

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

1 - BACTI Population Table
2 - Fluoride MCL Table
3 - Major Beta Emitter Table

EDIT CRITERIA:

Must be 1, 2, or 3 as shown above - error code 011

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 130	**MNEMONIC NAME:** RG-P-T-FRM	**PROGRAM NAME:** RGF-BPOP-TBL-FROM-POPULATION

DESCRIPTION AND USE: Sampling frequency for bacteriological analysis is based on population size. The RG-P-T-FRM is the lower limit of the population size group	**DATA TYPE:** N **PICTURE:** 9(9)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations currently set population ranges. State values may overlap Federal values but RG-P-T-FRQ will be adjusted upward to meet the highest Federal requirement within the State population range. Missing State values will be substituted by Federal values shown in 141.21(b).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 131	**MNEMONIC NAME:** RG-P-T-TOP	**PROGRAM NAME:** RGF-BPOP-TBL-TO-POPULATION

DESCRIPTION AND USE: The upper limit defining a population size group in the sampling frequency table for bacteriological monitoring

DATA TYPE: N

PICTURE: 9(9)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS: Federal regulations currently set population ranges. State values may overlap Federal values but RG-P-T-FRQ will be adjusted upward to meet the highest Federal requirement within the State population range. Missing State values will be substituted by Federal values shown in 141.21(b).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 132	**MNEMONIC NAME:** RG-P-T-FRQ	**PROGRAM NAME:** RGF-BPOP-TBL-SAMPLE-FREQ

DESCRIPTION AND USE:
Sampling frequency for analysis as applied to bacteriological contaminating, expressed in days, for a given population range.

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A positive number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013(too low)
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:
Federal regulations currently set population ranges. If State values overlap Federal values, then RG-P-T-FRQ will be adjusted upward to meet the highest Federal requirement within the State population range. Missing state values will be substituted by Federal values shown in 141.21.(b).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Depending upon application	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 133*	**MNEMONIC NAME:** RG-CONID	**PROGRAM NAME:** RGF-TURB-CONTAMINANT-ID

DESCRIPTION AND USE: A 4-digit number for identifying a contaminant	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be: 1. numeric - error code 010
2. a member of the Contaminant Code Table section of the Code Value Table files - error code 005

ADDITIONAL COMMENTS:
Federal codes are standardized but State may add more contaminants to the Contaminant Code Table.

*See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 134	**MNEMONIC NAME:** RG-T-RGLVL	**PROGRAM NAME:** RGF-TURB-REGU-LEVEL

DESCRIPTION AND USE: Used to indicate if the regulations concerning a contaminant are State or Federal regulations, and whether they are primary or secondary regulations.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

SP - State, Primary
SS - State, Secondary
FP - Federal, Primary
FS - Federal, Secondary

EDIT CRITERIA:

Must be in above list - error code 011

ADDITIONAL COMMENTS:

Regulations Table printout must be visually verified

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 135	**MNEMONIC NAME:** RG-T-CONAM	**PROGRAM NAME:** RGF-TURB-CONTAM-NAME

DESCRIPTION AND USE: The scientific name of a contaminant. Used to simplify identification of contaminants and visual verification of the regulations printout.

DATA TYPE: A/N

PICTURE: X(15)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

N/A

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 136	**MNEMONIC NAME:** RG-T-MOMCL	**PROGRAM NAME:** RGF-TURB-MONTHLY-MCL

DESCRIPTION AND USE: Compliance with the regulations concerning turbidity contaminant is based on an MCL for the monthly average of daily samples expressed as a number of turbidity units.

DATA TYPE: N

PICTURE: 9V9

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. the State Primary Regulation value cannot exceed 5.0

ADDITIONAL COMMENTS:
Federal regulations currently set this value at 1, per Federal regulations 141.13(a).
State regulations must meet or exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 137	**MNEMONIC NAME:** RG-T-CNMCL	**PROGRAM NAME:** RGF-TURB-CONSECUTIVE-MCL

DESCRIPTION AND USE: Compliance for Turbidity is also measured by comparing the moving average of consecutive daily samples with the RGF-TURB-CONSECUTIVE-MCL expressed in Turbidity units.	**DATA TYPE:** N **PICTURE:** 9V9

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

The Federal regulations currently set this value at 5, per Federal regulations 141.13(b).
State regulations must not exceed this.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 138	**MNEMONIC NAME:** RG-T-CNSPL	**PROGRAM NAME:** RGF-TURB-CONSECUTIVE-SAMPLES

DESCRIPTION AND USE:
Number of consecutive days to be included in the moving daily average for determining compliance with turbidity MCL.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Can be any positive number

EDIT CRITERIA:

Must be:
1. numeric -error code 010
2. non-zero if RGF-CONSECUTIVE-MCL is non-zero - error code 013
3. as stringent as Federal - error code 006 (too low)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 2, per Federal regulations 141.13(b).
State regulations must meet or exceed this.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 139	**MNEMONIC NAME:** RG-T-EFFDT	**PROGRAM NAME:** RGF-TURB-EFFECTIVE-DATE

DESCRIPTION AND USE: Date on which the applicable regulations become effective. On the VEF, the date on which the variance or exemption becomes effective.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:		X	X						
OUTPUT OF:		X							

ACCEPTABLE VALUES:

Any valid date

EDIT CRITERIA:

Valid date or empty
Invalid date - error code 403

ADDITIONAL COMMENTS:

When not input to PWF, set according to PWS type:
(1) Community - June 1, 1977
(2) Noncommunity - June 1, 1977
The input format is MMDDYY which is converted to the Julian file format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes , Federal only

DATA ELEMENT

CATALOGUE NO.: 140	**MNEMONIC NAME:** RG-T-ALLSR	**PROGRAM NAME:** RGF-TURB-ALL-SOURCES

DESCRIPTION AND USE: Flag indicating if turbidity is to be monitored only at PWS using Surface Water. Currently only surface water are to be checked for turbidity.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Y - Monitor all water sources
N - Do not monitor ground only sources

EDIT CRITERIA:

Must be 'Y' or'N' - error code 011

ADDITIONAL COMMENTS:

Federal regulations currently do not require monitoring for Turbidity for ground water only PWS; per Federal regulations 141.13.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 141	**MNEMONIC NAME:** RG-T-RPTIN	**PROGRAM NAME:** RGF-TURB-REPEAT-INCLUDED

DESCRIPTION AND USE: A flag indicating if repeat (check) samples are to be included in the monthly average in place of the original sample. Applies to Turbidity monitoring. *

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Y - Yes, include repeat samples
N - No, exclude repeat samples

EDIT CRITERIA:

Must be: 1. 'Y' or 'N' - error code 011
2. as stringent as Federal ('Y') - error code 006

ADDITIONAL COMMENTS:
Federal regulations currently require that the repeat sample be the sample used for the purpose of calculating the monthly average, per Federal regulations 141.22(b). State regulations must use 'Y' as their value.
*Currently, repeat samples have to be considered.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 142	**MNEMONIC NAME:** RG-T-CSPFQ	**PROGRAM NAME:** RGF-TURB-COM-SAMPLE-FREQ

DESCRIPTION AND USE: Monitoring frequency for analysis as applied to Turbidity contaminant, expressed in days, for community PWS.	**DATA TYPE:** N **PICTURE:** 9(3)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A positive number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:
Federal regulations currently require daily sampling, per Federal regulations 141.22(a). State regs must do the same.

Example:	Weekly sampling - 7 days	Monthly sampling - 30 days
	Quarterly sampling - 90 days	Yearly sampling - 365 days

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 143	**MNEMONIC NAME:** RG-T-NSPFQ	**PROGRAM NAME:** RGF-TURB-NCOM-SAMPLE-FREQ

DESCRIPTION AND USE: Monitoring frequency for analysis as applied to Turbidity contaminant, expressed in days, for Non-Community PWS.	**DATA TYPE:** N **PICTURE:** 9(3)

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

A positive number

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently require daily sampling, per Federal regulations 141.22(a). State regs must do the same.

Example: Weekly sampling - 7 days Monthly sampling - 30 days
Quarterly sampling - 90 days Yearly sampling - 365 days

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 9/23 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes, Federal only

DATA ELEMENT

CATALOGUE NO.: 144	**MNEMONIC NAME:** RG-T-MRSPL	**PROGRAM NAME:** RGF-TURB-MAX-RESAMPLING-PERIOD

DESCRIPTION AND USE: The maximum resampling period, expressed in hours, if MCL is exceeded in Turbidity samples.	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:		x							

ACCEPTABLE VALUES:

Any positive number greater than zero

EDIT CRITERIA:

Must be:
1. numeric - error code 010
2. greater than zero - error code 013 (too low)
3. as stringent as Federal - error code 007 (too high)

ADDITIONAL COMMENTS:

Federal regulations currently set this value at 1 hour ("preferably") or "as soon as practicable," per Federal regulations 141.22(b)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 145	**MNEMONIC NAME:** PW-ID	**PROGRAM NAME:** PWF-ID

DESCRIPTION AND USE:
Seven digit number uniquely identifying a Public Water System within a State.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Numeric 0000001 to 9999999

EDIT CRITERIA:

Must be numeric - error code 010
On an addition transaction, must not exist on file -
error code 002
On other transactions, must exist on file - error code 003

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 146	**MNEMONIC NAME:** PW-OWNA	**PROGRAM NAME:** PWF-PLANT-OWNER-NAME

DESCRIPTION AND USE:
Represents the name of the official plant name owner of a Public Water System.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 147	**MNEMONIC NAME:** PW-PL-STRT	**PROGRAM NAME:** PWF-PLANT-STREET

DESCRIPTION AND USE: Represents the owner or plant street address.	**DATA TYPE:** A/N **PICTURE:** X(30)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 148	**MNEMONIC NAME:** PW-PL-CITY	**PROGRAM NAME:** PWF-PLANT-CITY

DESCRIPTION AND USE: Represents the owner or plant city name.	**DATA TYPE:** A/N **PICTURE:** X(30)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 149	**MNEMONIC NAME:** PW-PL-STAT	**PROGRAM NAME:** PWF-PLANT-STATE

DESCRIPTION AND USE:
Represents the postal code of the state used with the PWS plant or owner address.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

One of the 66 state codes of which 56 are assigned to states, trust territories, or EPA Regions, as defined on the Code Value Table.

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402

If entered, must be alphabetic - error 408

ADDITIONAL COMMENTS:

May be different from the mailing address state code and the state code of the PWS responsible for Water Quality Monitoring. (Catalogue Number 154).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 150	**MNEMONIC NAME:** PW-PL-ZIP	**PROGRAM NAME:** PWF-PLANT-ZIP-CODE

DESCRIPTION AND USE:
Represents the zip code of the PWS Plant or owner address.

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Input form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any 5 digit number or blank

EDIT CRITERIA:

If entered, must be a 5 digit numeric greater than zero - error code 401 or 405.

ADDITIONAL COMMENTS:

Should be a valid zip code.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 151	**MNEMONIC NAME:** PW-MA-NAME	**PROGRAM NAME:** PWF-MAILING-NAME

DESCRIPTION AND USE: Represents the mailing name of the Public Water System.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

May be different from the PWS plant or owner mailing name. It is the name to whom all correspondence is mailed. For example, in sample scheduling, this name will be printed on sample forms and mailing labels.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 152	**MNEMONIC NAME:** PW-MA-STRT	**PROGRAM NAME:** PWF-MAILING-STREET

DESCRIPTION AND USE:

Represents the street name and number of the mailing address of the Public Water System

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

May be different from the PWS plant or owner street address. It is the street name and number to which all correspondence is mailed. For example, in sample scheduling, this street name and number will be printed on sample forms and mailing labels.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 153	**MNEMONIC NAME:** PW-MA-CITY	**PROGRAM NAME:** PWF-MAILING-CITY

DESCRIPTION AND USE:
Represents the city name of the mailing address of the Public Water System.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:
May be different from the PWS plant or owner city name. It is the city name to which all correspondence is mailed. For example, in sample scheduling, this is the city name which will be printed on sample forms and mailing labels.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
154 *	PW-MA-STAT	PWF-MAILING-STATE

DESCRIPTION AND USE:
Represents the postal code of the state used with the Public Water System mailing address.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

One of the 66 state codes of which 56 are states, trust territories, or EPA regions as defined on the Code Value Table.

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402
If entered, must be alphabetic - error code 408

ADDITIONAL COMMENTS:

May be different from the state code used with the PWS plant or owner mailing address (Catalogue Number 149).

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 155	**MNEMONIC NAME:** PW-MA-ZIP	**PROGRAM NAME:** PWF-MAILING-ZIP-CODE

DESCRIPTION AND USE:
Represents the zip code of the PWS Mailing Address.

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any 5 digit numeric or blank

EDIT CRITERIA:

If entered, must be 5 digit numeric greater than zero - error code 401 or 405

ADDITIONAL COMMENTS:

Should be a valid zip code.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 156	**MNEMONIC NAME:** PW-MA-ARCO	**PROGRAM NAME:** PWF-MAILING-AREA-CODE

DESCRIPTION AND USE: Represents the area code of the telephone number to be used when telephone communications are necessitated with the Public Water System.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any 3 digit numeric or blank.

EDIT CRITERIA:

If entered, must be a 3 digit numeric greater than zero - error code 401 or 405.

ADDITIONAL COMMENTS:

Should be a valid telephone area code.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
157	PW-MA-PNUM	PWF-MAILING-PHONE-NUMBER

DESCRIPTION AND USE: Represents the telephone number to be used when telephone communications are necessitated with the Public Water System.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any 7 digit numeric or blank

EDIT CRITERIA:

If entered, must be a 7 digit numeric greater than zero - error code 401 or 405

ADDITIONAL COMMENTS:

Should be a valid telephone number.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 158	**MNEMONIC NAME:** PW-PL-ACTY	**PROGRAM NAME:** PWF-PLANT-AREA-CITY-NAME

DESCRIPTION AND USE: Represents the name of the city or community serviced by the Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(15)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

If more than one city or community is serviced by the PWS, the name of the largest is used.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 159	**MNEMONIC NAME:** PW-PL-ACNT	**PROGRAM NAME:** PWF-PLANT-AREA-COUNTY-CODE

DESCRIPTION AND USE:
Represents the county code of the county in which the service area of a Public Water System is located.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid numeric county code as defined on the Code Value Table. Up to 260 county codes may be defined. May be blank.

EDIT CRITERIA:

If entered, must be a valid county code in the Code Value Table - error code 104

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:
Acceptable values defined on the Code Value Table should be those codes defined in the Federal Information Processing Standard (FIPS 6-1). This code is used to edit latitude and longitude values

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 160	**MNEMONIC NAME:** PW-PL-RESR	**PROGRAM NAME:** PWF-PLANT-INDIAN-RESERVATION

DESCRIPTION AND USE:
Represents a code identifying an Indian Reservation on which the Public Water System is located.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid numeric Indian Reservation code as defined on the Code Value Table. Up to 100 Indian Reservation codes may be defined; may be blank.

EDIT CRITERIA:

If entered, must be a valid Indian Reservation code on the Code Value Table - error code 402

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:

Acceptable values defined on the Code Value Table must be those codes defined in the Standard Code Book of the Indian Health Services under "TRIBES".

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 161	**MNEMONIC NAME:** PW-PL-RESI	**PROGRAM NAME:** PWF-PLANT-RESIDENTIAL

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 162	**MNEMONIC NAME:** PW-PL-COMP	**PROGRAM NAME:** PWF-PLANT-COMPANY-TOWN

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 163	**MNEMONIC NAME:** PW-PL-RECR	**PROGRAM NAME:** PWF-PLANT-RECREATION

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service are characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.: 164

MNEMONIC NAME: PW-PL-MOHO

PROGRAM NAME: PWF-PLANT-MOBILE-HOMES

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO: m	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further catagorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
165	PW-PL-INST	PWF-PLANT-INSTITUTION

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 166	**MNEMONIC NAME:** PW-PL-SCHL	**PROGRAM NAME:** PWF-PLANT-SCHOOL

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 167	**MNEMONIC NAME:** PW-PL-MOTL	**PROGRAM NAME:** PWF-PLANT-MOTEL

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):

Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 168	**MNEMONIC NAME:** PW-PL-REST	**PROGRAM NAME:** PWF-PLANT-RESTAURANT

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 169	**MNEMONIC NAME:** PW-PL-SSTA	**PROGRAM NAME:** PWF-PLANT-SERVICE-STATION

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 170	**MNEMONIC NAME:** PW-PL-CAMP	**PROGRAM NAME:** PWF-PLANT-CAMPGROUND

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: No

DATA ELEMENT

CATALOGUE NO.: 171	MNEMONIC NAME: PW-PL-PIC	PROGRAM NAME: PWF-PLANT-PICNIC-AREA

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.	DATA TYPE: A/N PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 172	**MNEMONIC NAME:** PW-PL-LODG	**PROGRAM NAME:** PWF-PLANT-LODGE

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976

VERSION: 1

REQUESTED BY EPA TO BE REPORTED ANNUALLY: No

MANDATED FOR MSIS PROCESSING REQUIREMENTS: No

DATA ELEMENT

CATALOGUE NO.: 173

MNEMONIC NAME: PW-PL-MARI

PROGRAM NAME: PWF-PLANT-MARINA

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 174	**MNEMONIC NAME:** PW-PL-SKI	**PROGRAM NAME:** PWF-PLANT-SKI-RESORT

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further characterize this service area characteristic.

y

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 175

MNEMONIC NAME: PW-PL-BATH

PROGRAM NAME: PWF-PLANT-BATHING

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 176	**MNEMONIC NAME:** PW-PL-VCTR	**PROGRAM NAME:** PWF-PLANT-VISITOR-CENTER

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 177	**MNEMONIC NAME:** PW-PL-HWY	**PROGRAM NAME:** PWF-PLANT-HWY-REST-AREA

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 178	**MNEMONIC NAME:** PW-PL-AIR	**PROGRAM NAME:** PWF-PLANT-AIRPORT

DESCRIPTION AND USE:
Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 179	**MNEMONIC NAME:** PW-PL-OTHR	**PROGRAM NAME:** PWF-PLANT-OTHER-AREA

DESCRIPTION AND USE: Represents a code identifying one (1) of nineteen (19) service area characteristics applicable to a Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Any value entered indicates the presence of this service area characteristic for the PWS. The State may supply codes to further categorize this service area characteristic.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes **	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 180	**MNEMONIC NAME:** PW-PL-CNUM	**PROGRAM NAME:** PWF-PLANT-CONSECUTIVE-NUM-PWS

DESCRIPTION AND USE: Represents the number of consecutive water systems purchasing water from the PWS for resale which are regulated as a consecutive *	**DATA TYPE:** A/N **PICTURE:** X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:

* water system.
** Not required on the record - no warning if missing

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 181	**MNEMONIC NAME:** PW-PL-CARR	**PROGRAM NAME:** PWF-PLANT-INTERSTATE-CARRIER

DESCRIPTION AND USE:
Represents a flag indicating if a PWS supplies water to an interstate carrier.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

'Y' = Yes
'N' = No

EDIT CRITERIA:

If entered, should be 'Y' or 'N'. When creating a new record, default to 'N' if not entered as 'Y'.

When reinitializing this field ($), use the default value of 'N'.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 182	**MNEMONIC NAME:** PW-PL-TYPE	**PROGRAM NAME:** PWF-PLANT-TYPE

DESCRIPTION AND USE:
Represents a flag indicating if a PWS is a community or non-community PWS.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

'C' = Community

'N' = Non-community

EDIT CRITERIA:

When creating a new record, must be 'C' or 'N' - error code 011 and must be entered - error code 004

For updates, may be blank

ADDITIONAL COMMENTS:

For a complete definition of community vs. non-community PWS, refer to Section 141.2 of the National Interim Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 183	**MNEMONIC NAME:** PW-PL-POPL	**PROGRAM NAME:** PWF-PLANT-POPULATION-SERVED

DESCRIPTION AND USE:
Represents the total population obtaining water from the Public Water System.

DATA TYPE: A/N

PICTURE: X(9)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric

EDIT CRITERIA:

For updates, may be blank
When creating a new record, must be entered - error code 004
When creating a new record, must be numeric - error code 010
If entered on an update, must be numeric - error code 401
If entered, should not exceed 20000000 - error code 101

ADDITIONAL COMMENTS:
Does not include the population of consecutive water systems unless requested by the State (see Section 141.29 of the National Interim Primary Drinking Water Regulation, Part IV).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 184	**MNEMONIC NAME:** PW-PL-SNUM	**PROGRAM NAME:** PWF-PLANT-SERVICES-NUMBER

DESCRIPTION AND USE:
Represents the number of service connections to the Public Water System

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered and if PWF-PLANT-TYPE (Catalogue Number 182) is 'N', must be numeric - error code 401

If entered and if PWF-PLANT-TYPE is 'C', then this value must be numeric - error code 401 and must be within the range of:

(PWF-PLANT-POPULATION SERVED)/5 to (PWF-PLANT-POPULATION-SERVED)/3

- error code 103 and 102 respectively

PWF-PLANT-POPULATION-SERVED is Catalogue Number 183.

ADDITIONAL COMMENTS:
Consecutive water systems utilizing water from this PWS are not counted unless specified by the State (see Section 141.29 of the National Interim Primary Drinking Water Regulations, Part IV).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 185	**MNEMONIC NAME:** PW-PL-MNUM	**PROGRAM NAME:** PWF-PLANT-METERS-NUMBER

DESCRIPTION AND USE:
Represents the number of service connections equipped with water meters.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 186	**MNEMONIC NAME:** PW-PL-AVPR	**PROGRAM NAME:** PWF-PLANT-AVERAGE-PRODUCTION

DESCRIPTION AND USE: Represents the average annual production in gallons per day or liters per day in the most recent year for the PWS treatment plant.	**DATA TYPE:** A/N **PICTURE:** X(10)

SOURCE(S):

Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric - error code 401

If entered, should not be greater than PWF-PLANT-MAX-PRODUCTION (Catalogue #190) - error code 102.

ADDITIONAL COMMENTS:

A state should specify whether this capacity is entered in either English or Metric counts (see Catalogue Number 232).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 187	**MNEMONIC NAME:** PW-PL-DECA	**PROGRAM NAME:** PWF-PLANT-DESIGN-CAPACITY

DESCRIPTION AND USE: Represents the approved design capacity of the PWS treatment plant in gallons per day or liters per day.

DATA TYPE: A/N

PICTURE: X(10)

SOURCE(S): Input form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric and greater than zero - error code 401

ADDITIONAL COMMENTS:
A State should specify whether this capacity is entered in either English or Metric units (see Catalogue Number 232).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 188

MNEMONIC NAME: PW-PL-EMER

PROGRAM NAME: PWF-PLANT-EMERGENCY-POWER

DESCRIPTION AND USE: Represents the capacity in gallons per day or liters per day that can be produced with emergency power generation equipment controlled by the PWS.

DATA TYPE: A/N

PICTURE: X(10)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:

A State should specify whether this capacity is entered either in English or Metric units (see Catalogue Number 232).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 189	**MNEMONIC NAME:** PW-PL-STCA	**PROGRAM NAME:** PWF-PLANT-STORAGE-CAPACITY

DESCRIPTION AND USE:
Represents the storage capacity in gallons or liters that is ready to go into the distribution system.

DATA TYPE: A/N

PICTURE: X(10)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:
A State should specify whether this capacity is entered in either English or Metric units (see Catalogue Number 232).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
190	PW-PL-MAXP	PWF-PLANT-MAX-PRODUCTION

DESCRIPTION AND USE:
Represents the maximum daily production capacity of the Public Water System in gallons per day or liters per day.

DATA TYPE: A/N

PICTURE: X(10)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric - error code 401

If entered, should not be greater than PWF-PLANT-DESIGN-CAPACITY (Catalogue Number 187) - error code 102.

ADDITIONAL COMMENTS:
A State should specify whether this capacity is entered in either English or Metric units (see Catalogue Number 232).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 191	**MNEMONIC NAME:** PW-PL-BEGN	**PROGRAM NAME:** PWF-PLANT-BEGIN-DATE

DESCRIPTION AND USE:
Represents the month and year that the PWS has begun or is about to begin operations.

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid date as MMYY where MM is the month and YY is the year.

EDIT CRITERIA:

If entered on an update, must be a valid month and year - error code 403

When creating a new record if not entered or invalid, default to '0677' - error code 106

When reinitializing this field ($), use the default value of '0677'

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 192	**MNEMONIC NAME:** PW-PL-SURV	**PROGRAM NAME:** PWF-PLANT-LAST-SURVEY-DATE

DESCRIPTION AND USE: Represents the date on which the last sanitary survey was performed at a PWS plant.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

May be zero

Any valid Julian date. YYDDD where DDD = day of year and YY = year

EDIT CRITERIA:

If entered, must be a valid date - error code 403

If entered, should not be greater than the processing date - error code 101

If entered on an update, should not be earlier than the current last survey date on the file - error code 101

ADDITIONAL COMMENTS:

The input format is MMDDYY which is converted to the Julian file format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: No

DATA ELEMENT

CATALOGUE NO.: 193	MNEMONIC NAME: PW-PL-CYCL	PROGRAM NAME: PWF-PLANT-COMPLIANCE-CYCLE

DESCRIPTION AND USE: Represents the day of the month on which the compliance cycle begins. It is used for turbidity compliance determination and for bacteriological compliance for the *

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric in the range of 01 to 28

EDIT CRITERIA:

If entered, must be numeric - error code 401

If entered, must be in the range of 01 to 28 - error code 404

When creating a new record, if this field is blank or invalid, a default value of '01' is used - error code 101

When reinitializing this field ($), use the default value of '01'

ADDITIONAL COMMENTS:
This field is disregarded for a Public Water System which monitors bacteriological contamination on a quarterly or irregular (special) basis.

*PWS monitoring monthly.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	Yes	No

DATA ELEMENT

CATALOGUE NO.:	MNEMCNIC NAME:	PROGRAM NAME:
194	PW-PL-ACTV	PWF-PLANT-ACTIVITY

DESCRIPTION AND USE: Represents a flag used to indicate whether or not the Public Water System is active.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Blank or A - active PWS
I - inactive PWS

EDIT CRITERIA:

If entered, must be 'A' or 'I' - error code 407
If an 'I' is entered, PWF-PLANT-DEACTIVATION-DATE (Catalogue Number 195) and PWF-PLANT-DEACTIVATION-REASON (Catalogue Number 196) must also be present and valid - error code 410

Use a default of 'A'.
When reinitializing this field ($), use the default value of 'A'.

ADDITIONAL COMMENTS:

If the PWS is reactivated, PWF-PLANT-DEACTIVATION-DATE and PWF-PLANT-DEACTIVATION-REASON are reinitialized.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 195	**MNEMONIC NAME:** PW-PL-DDAT	**PROGRAM NAME:** PWF-PLANT-DEACTIVATION-DATE

DESCRIPTION AND USE: Represents the date when the Public Water System became inactive. Used for audit trail purposes.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid Julian date YYDDD where DDD = day of year, YY = year, or zero

EDIT CRITERIA:

If entered, must be a valid date - error code 403

Can only be non-blank if PWF-PLANT-ACTIVITY (Catalogue Number 194) is 'I' - error code 406

ADDITIONAL COMMENTS:

On input, any valid calendar date MMDDYY where MM = month, DD = day, YY = Year is acceptable

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes*	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 196	**MNEMONIC NAME:** PW-PL-DREA	**PROGRAM NAME:** PWF-PLANT-DEACTIVATION-REASON

DESCRIPTION AND USE: Represents a code describing the reason for deactivating the Public Water System

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid deactivation reason code on the Code Value Table or blank.

Allow for 10 codes on the Code Value Table.

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402

Can only be non-blank if PWF-PLANT-ACTIVITY (Catalogue Number 194) is 'I' = error code 406

ADDITIONAL COMMENTS:
*Not required on the record - no warning if missing

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 197	**MNEMONIC NAME:** PW-PL-MANU	**PROGRAM NAME:** PWF-PLANT-MANUAL-FILE

DESCRIPTION AND USE: Represents a reference to manual files for record keeping.	**DATA TYPE:** A/N **PICTURE:** X(12)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 198 *	**MNEMONIC NAME:** PW-S-CODE	**PROGRAM NAME:** PWF-STATE-POSTAL-CODE

DESCRIPTION AND USE. Represents a two digit code of the state responsible for the Public Water System surveillance.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

One of the 66 state codes assigned to states, trust territories, and EPA regions as defined on the Code Value Table

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402

ADDITIONAL COMMENTS:

May be different from the mailing address of either the PWS, the plant or both (Catalogue Numbers 149 or 154).

* See Appendix A of this Document

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 199	**MNEMONIC NAME:** PW-S-REGE	**PROGRAM NAME:** PWF-STATE-REGULATE-BY

DESCRIPTION AND USE: Represents a code describing the regulations applying to the Public Water System	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):

Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

S - Regulated by State Regulations only
F - Regulated by Federal Regulations only
B - Regulated by both State and Federal Regulations
N - Regulated by neither Federal or State Regulations

EDIT CRITERIA:

If entered on an update, must be either 'S', 'F', 'N', or 'B' - error code 407
If blank or in error, use a default of 'B'.

When reinitializing this field (4), use the default value of 'B'.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
200	PW-S-REGN	PWF-STATE-REGION

DESCRIPTION AND USE:
Represents a code identifying the administrative region of the state which is responsible for monitoring the PWS.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S):
Input form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric region code on the Code Value Table or blank.

Allow for 99 values on the Code Value Table.

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 201	**MNEMONIC NAME:** PW-S-DIST	**PROGRAM NAME:** PWF-STATE-DISTRICT

DESCRIPTION AND USE: Represents a code identifying an administrative district of the State which is responsible for monitoring the PWS.	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric district code on the Code Value Table or blank.

Allow up to 99 values on the Code Value Table

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 202	**MNEMONIC NAME:** PW-S-BFLG	**PROGRAM NAME:** PWF-STATE-BACTERIOLOGICAL-FLG

DESCRIPTION AND USE: Represents a flag indicating whether sample input data will be reported on a list or summary input form

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

L = List of individual samples reported
S = Summary of samples reported

EDIT CRITERIA:

If entered, must be 'L' or 'S' - error code 407

Default to 'L' if invalid or blank or when reinitializing with a (S).

ADDITIONAL COMMENTS:
This element is used by the Compliance Scheduling process to determine which bacteriological turnaround document to produce for the PWS.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 203	**MNEMONIC NAME:** PW-S-MONT	**PROGRAM NAME:** PWF-STATE-MONTHLY-MONITORING

DESCRIPTION AND USE: Represents whether a PWS is required to determine compliance for bacteriological MCL contamination on a monthly basis if less than four samples per month are *

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Y = Yes, monthly compliance determination required
N = No, monthly compliance determination not required

EDIT CRITERIA:

Must be 'Y' or 'N' - error code 407
If anything else, default to 'N'

* required.

ADDITIONAL COMMENTS: This field is for use of those Public Water Systems required to take less than four samples per month for bacteriological analysis. The Water Quality Compliance Subsystem uses this flag only when the PWS is requried to determine compliance upon expiration of a three month period (see Section 141.24(c) of the National Interim Primary Drinking Water Regulations, Part IV).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 204	**MNEMONIC NAME:** PW-S-NSAM	**PROGRAM NAME:** PWF-STATE-NO-OF-SAMPLES

DESCRIPTION AND USE: Represents the minimum number of samples a small community water supply must take, per quarter, in lieu of monthly monitoring or a non-community water supply *	**DATA TYPE:** N **PICTURE:** 9(3)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or zero

EDIT CRITERIA:

If entered, must be numeric - error code 401

Default to '000' if in error blank

If PWS-PLANT-TYPE (catalogue number 182) changes from 'C' to 'N', reinitialize this value

If entered, PWF-STATE-MONTHLY-MONITORING must equal 'N' - error code 407

* must take in a specified time period in lieu of the default number in the Regulations File.

ADDITIONAL COMMENTS: If the PWS is a "small" community PWS and if the value of this field is greater than zero, State permission to perform quarterly monitoring is assumed. "Small" refers to a PWS serving a population of less than 1000 with the water source being a solely protected ground source (see Section 141.21(b) of the National Interim Primary Drinking Water Regulation, Part IV).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 205	**MNEMONIC NAME:** PW-S-SBGN	**PROGRAM NAME:** PWF-STATE-SEASON-BEGIN

DESCRIPTION AND USE: Represents the season beginning date used for bacteriological monitoring for a non-community PWS which operates seasonally.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid month and day MMDD
where MM - month
DD - day

or zero

EDIT CRITERIA:

If entered, must be a valid month and day of any year - error code 407.

If '0229', default to '0228'.
If PWF-PLANT-TYPE (Catalogue Number 812) is 'N' and this field is zero, use '0101' as a default value.

If PWF-PLANT-TYPE is 'C', this field must be zero - error code 407.

If PWF-PLANT-TYPE changes from 'N' to 'C', reinitialize this value.

ADDITIONAL COMMENTS:
See Section 141.21(c) of the National Interim Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 206	**MNEMONIC NAME:** PW-S-SEND	**PROGRAM NAME:** PWF-STATE-SEASON-END

DESCRIPTION AND USE: Represents the second ending date used for bacteriological monitoring for a non-community PWS which operates seasonally.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S):

Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid month and day, where MM - month, DD - day, or blank

EDIT CRITERIA:

Must be a valid month and dya of any year or blank -error code 407

If '0229', default to '0228'.
If PWF-PLANT-TYPE (Catalogue number 182) is 'N' and this field is blank, use '1231' as a default value.

If PWF-PLANT-TYPE is 'C', this field must be blank - error code 407.

If PWF-PLANT-TYPE changes from 'N' to 'C', reinitialize this value.

ADDITIONAL COMMENTS:

If PWF-STATE-SEASON-END is earlier than PWF-STATE-SEASON-BEGIN, the Water Quality Compliance Subsystem assumes that the year has changed from season begin to season end. See Section 141.21(c) of the National Interim Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 207	**MNEMONIC NAME:** PW-S-MDCK	**PROGRAM NAME:** PWF-STATE-MIN-NO-DAILY-CHECKS

DESCRIPTION AND USE:
Represents the number of check samples which must be taken each day if the State requires more than one per day for this PWS

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric - error code 401

If entered, must be greater than zero - error code 405

ADDITIONAL COMMENTS: There is no corresponding data element on the Regulations File. If this element is blank, a value of "1" will be used by the Water Qualtiy Compliance Subsystem (see Section 141.21 (d)(1),(2),(3) fo the National Interim Primary Drinking Water Regulations, Part IV).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 208

MNEMONIC NAME: PW-S-NSPFQ

PROGRAM NAME: PWF-STATE-NCOM-SAMPLE-FREQ

DESCRIPTION AND USE:
Represents an alternate sampling frequency (period) for a non-community Public Water System in lieu of the default value as specified*

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric representing the number of days in a given sampling period, or zero. For example, '001' means daily, '007' means weekly, etc . '028' indicates "monthly" sampling and '90' indicates "quarterly" sampling. All other values indicate "special" periods.

EDIT CRITERIA:

If entered, must be numeric - error code 401

If entered, must be greater than zero - error code 405

If entered, PWF-PLANT-TYPE (Catalogue number 182) must be 'N' - error code 407

If PWF-PLANT-TYPE changes from 'N' to 'C', this field is reinitialized

ADDITIONAL COMMENTS:
If zero, quarterly sampling for a non-community PWS will be used. See Section 141.21(c) of the National Interim Primary Drinking Water Regulations, Part IV.

*in the Regulations.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 209	**MNEMONIC NAME:** PW-S-HCKS	**PROGRAM NAME:** PWF-STATE-MCL-HALT-CHECK-SAMP

DESCRIPTION AND USE: Represents the minimum number of consecutive days worth of negative check samples required to halt check sampling for a PWS bacteriological	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric

This element is used to override two values in the Regulations File: RGF-BACT-CHK-MIN-NEG-PORTIONS and RGF-BACT-CHK-MIN-NEG-COLIFORM-BACT

EDIT CRITERIA:

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:
If this element is less than the Federally regulated value in the Regulations File, the Regulations File Value will be used by the Water Quality Compliance Subsystem. See Sections 141.21(d)(1), (2),(3) of the National Interim Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 210

MNEMONIC NAME: PW-S-CLOR

PROGRAM NAME: PWF-STATE-CHLORINE

DESCRIPTION AND USE: Represents the percent of samples for bacteriological analysis that may be substituted by chlorine residual sampling and analysis.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

The value '00' indicates that no substitution is allowed

EDIT CRITERIA:

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS: If this value exceeds the maximum percentage allowed for all Public Water Systems as defined in the Regulations, the Regulations value will be used. Four (4) chlorine residual samples replace one (1) microbiological sample as currently defined in the Regulations (see Section 141.21(b) of the National Interim Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 211	**MNEMONIC NAME:** PW-S-TFLG	**PROGRAM NAME:** PWF-STATE-TURBIDITY-FLAG

DESCRIPTION AND USE:
Represents a flag indicating whether sample input data will be reported on a list or summary input form.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

L = List of individual samples reported

S = Summary of samples reported

EDIT CRITERIA:

If entered, must be 'L' or 'S' - error code 407.

Default to 'L' if invalid or blank or when reinitializing with a ($).

ADDITIONAL COMMENTS:
This element is used by the Compliance Scheduling process to determine which Turbidity turnaround documents to produce for the PWS.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	Yes	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
212	PW-S-TBUN	PWF-STATE-TURBIDITY-UNITS

DESCRIPTION AND USE: Represents the number of turbidity units allowed as a maximum contaminant level for the monthly average of turbidity samples for the *

DATA TYPE: N

PICTURE: 9(1)V9(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric from 0 to 5

EDIT CRITERIA:

If entered, must be numeric - error code 401.

ADDITIONAL COMMENTS: If this element is greater than the State regulated value, the value in the Regulations File will be used by the Water Quality Compliance Subsystem. See Section 141.13(a) of the National Interim Primary Drinking Water Regulations, Part IV.

*PWS.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 213 *	**MNEMONIC NAME:** PW-S-CONID	**PROGRAM NAME:** PWF-STATE-CONTAMINANT-ID-CHEM

DESCRIPTION AND USE:
Represents the contaminant identification of a chemical contaminant requiring followup monitoring.

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any 4 digit numeric on the Code Value Table or blank.

Allow up to 200 values in the Code Value Table.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be on the Code Value Table - error code 402.

If entered, the first digit (contaminant group) must be '1' or '2' - error code 407.

Must be entered if PWF-STATE-SAMPLING-FREQUENCY (catalogue number 214) is present - error code 410.

ADDITIONAL COMMENTS:
See Section 141.23(c) of the National Interim Primary Drinking Water Regulations, Part IV.

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 214	**MNEMONIC NAME:** PW-S-SPFQ	**PROGRAM NAME:** PWF-STATE-SAMPLING-FREQUENCY

DESCRIPTION AND USE: Represents the sampling frequency applying to follow-up monitoring of a chemical contaminant	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric representing the number of days between samples, or blank.

For example, '001' means daily, '002' means every other day,...., '007' means weekly, etc.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be greater than zero - error code 405.

Must be entered if PWF-STATE-CONTAMINANT-ID-CHEM (catalogue number 213) is present - error code 410.

ADDITIONAL COMMENTS:
If blank, the follow-up (violation) sampling frequency from the Regulations File will be used by the Water Quality Compliance Subsystem. See Section 141.23(c) of the National Interim Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 215	**MNEMONIC NAME:** PW-S-ORBGN	**PROGRAM NAME:** PWF-STATE-ORGANIC-BEGIN-PERIOD

DESCRIPTION AND USE: Represents the beginning date of a seasonal period for which monitoring for organic chemicals/pesticides is to be performed for the PWS	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S):

Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid month and day MMDD where MM - month, DD - day, or zero.

EDIT CRITERIA:

If entered, must be a valid month and day of any year - error code 407.

If '0229' - default to '0228'.

If PWF-PLANT-TYPE (catalogue number 182) changes from 'C' to 'N', this value is reinitialized.

ADDITIONAL COMMENTS:

This data element is not necessary for a non-community PWS. For a community PWS, if the value is missing a default value entered into the Water Quality Compliance Subsystem is used. See Section 141.24(a)(1) of the National Interim Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 216	**MNEMONIC NAME:** PW-S-OREND	**PROGRAM NAME:** PWF-STATE-ORGANIC-END-PERIOD

DESCRIPTION AND USE: Represents the ending date of a seasonal period for which monitoring for organic chemical/pesticides is to be performed for the PWS.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid month and day MMDD wher MM - month, DD - day, or blank.

EDIT CRITERIA:

If entered, must be a valid month and day of any year - error code 407.

If '0229' default to '0228'.

If PWF-PLANT-TYPE (catalogue number 182) changes from 'C' to 'N', this value is reinitialized.

ADDITIONAL COMMENTS: This data element is not necessary for a non-community PWS. For a community PWS if the value is missing, a default value entered into the Water Wuality Compliance Subsystem. See Section 141.24 (a)(1) of the National Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 217	**MNEMONIC NAME:** PW-S-ATEM	**PROGRAM NAME:** PWF-STATE-AIR-TEMPERATURE

DESCRIPTION AND USE:
Represents the annual average of daily maximum air temperature of the PWS in either fahrenheit or celsius degrees.

DATA TYPE: N

PICTURE: 9(2)V9(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid numeric fahrenheit or celsius temperature or zero.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered and if PWF-STATE-ENGLISH-METRIC-SYSTEM (catalogue number 232) is 'E', then must be in the range 32.5 - 90.5 degrees F.

If entered and if PWF-STATE-ENGLISH-METRIC-SYSTEM is 'M', then must be in the range 11.0 - 50.0 degress C - error code 103 and 102.

ADDITIONAL COMMENTS:
If this value is outside of the reasonable range for the State (as defined by the Regulations File), a warning will be printed by the Water Quality Compliance Subsystem. If this value is zero, a default value defined in the Water Quality Compliance Subsystem will be used for determining compliance for fluoride.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 218	**MNEMONIC NAME:** PW-S-NITR	**PROGRAM NAME:** PWF-STATE-NITRATE-FREQUENCY

DESCRIPTION AND USE: Represents the monitoring frequency for nitrate to be used by a non-community Public Water System after completion of initial analysis.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric representing the number of days between samples, or zero. For example, '001' means daily, '002' means every other day, ..., '007' means weekly, etc.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be greater than zero - error code 405.

If entered, PWF-PLANT-TYPE (catalogue number 182) must be 'N' - error code 407.

If PWF-PLANT-TYPE changes from 'N' to 'C', this field is reinitialized.

ADDITIONAL COMMENTS:
If zero, the value in the Regulations File will be used by the Water Quality Compliance Subsystem for a non-community PWS. See Section 141.23(3) of the National Interim Primary Drinking Water Regulations Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 219	**MNEMONIC NAME:** PW-S-RFLG	**PROGRAM NAME:** PWF-STATE-RADIOACTIVE-FLAG

DESCRIPTION AND USE: Represents a flag indicating whether the PWS is to be monitored continuously for radioactive contaminants and under which conditions.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

0 = PWS not to be monitored for radioactive contaminants

1 = PWS monitored for natural (Gross Alpha and Radium) particle activity - Radium 228 not suspected in water

2 = PWS monitored for natural particle activity - Radium 228 is suspected in water

3 = PWS monitored for man-made radionuclides only

4 = PWS monitored for all radioactive contaminants (natural and man-made) - Radium 228 not suspected in water

5 = PWS monitored for all radioactive contaminants - Radium is suspectd in water

EDIT CRITERIA:

If entered, must be '0', '1', '2', '3', '4', or '5' - error code 407

If blank when creating a new record, default to '3' for a community PWS and '0' for a non-community PWS.

When reinitializing this field ($), use the default value defined above.

If PWF-PLANT-TYPE (Catalogue number 182) changes, reinitialize this field.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 220	**MNEMONIC NAME:** PW-S-RMON	**PROGRAM NAME:** PWF-STATE-RADIOACTIVE-MONITOR

DESCRIPTION AND USE: Represents a flag indicating whether or not the instrument detection limit for beta emitters is to be used in determining compliance when a value lower than the detec-*

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

1 = Composite analyses performed, use detection limit when reported results (beta emitters) are too low

2 = Composite analyses performed, use reported analysis results (beta emitters) in all cases

3 = Individual sample analysis performed, use detection limit for beta emitters when reported results are too low

4 = Individual sample analysis performed, use reported analysis results for beta emitters in all cases

EDIT CRITERIA:

If entered, must be '1', '2', '3', or '4' - error code 407

Default to '3' if in error or missing when creating a new record

When reinitializing this field ($), use the default of '3'

ADDITIONAL COMMENTS:

* tion limit is entered and how the PWS is reporting sample analysis results.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.: 221

MNEMONIC NAME: PW-S-BETA

PROGRAM NAME: PWF-STATE-BETA-FREQ-MONTHS

DESCRIPTION AND USE:
Represents the minimum frequency required for monitoring man-made radionuclides for the Public Water System after initial analysis.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric representing the number of months between samples. For example, '01' means monthly sampling, '02' means sampling every two months, '3' means quarterly sampling, ..., '12' means yearly sampling, etc.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

ADDITIONAL COMMENTS:
If zero, the monitoring frequency from the Regulations File will be used by the Water Quality Compliance Subsystem. See Section 141.26 (b)(3) of the National Interim Primary Drinking Water Regulations, Part II.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 222	**MNEMONIC NAME:** PW-S-NUCL	**PROGRAM NAME:** PWF-STATE-NUCLEAR-FACILITY

DESCRIPTION AND USE:
Represents a flag indicating whether the Public Water System is contaminated by effluents from a nuclear facility.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Y = Yes, contaminated by a nuclear facility

N = No, not contaminated by a nuclear facilty

EDIT CRITERIA:

If entered, must by 'Y', 'N' - error code 407. Default to 'N'.

When reinitializing this field ($), reinitialize to 'N'.

ADDITIONAL COMMENTS:
See Section 141.26(b)(4) of the National Interim Primary Drinking Water Regulations, Part II.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 223 *	**MNEMONIC NAME:** PW-S-FATY1	**PROGRAM NAME:** PWF-STATE-NUCLEAR-FAC-TYPE1

DESCRIPTION AND USE:
Represents a code describing the type of nuclear facility whose radioactive effluents are contaminating the Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid alph[illegible]umeric nuclear facility code on the Code Value Table.

Allow for 5 values on the Code Value Table.

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402.

ADDITIONAL COMMENTS:

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 224 *	**MNEMONIC NAME:** PW-S-FACON	**PROGRAM NAME:** PWF-STATE-FAC-CONTAMINANT-ID

DESCRIPTION AND USE: Represents the contaminant identification of a beta emitter to be monitored by the Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any major beta emitter on the Code Value Table or blank.

Allow for 200 codes on the Code Value Table.

EDIT CRITERIA:

If entered, must be numeric - error code 010.

If entered, must have first two digits of '41', '42', or '43' - error code 011 and be on the Code Value Table - error code 014.

If entered, PWF-STATE-CONTAMINANT-FREQ (catalogue number 225) must be present - error code 030.

If reinitialized with $, reinitialize PWF-STATE-CONTAMINANT-FREQ.

ADDITIONAL COMMENTS: If all contaminant ID's are blank, the PWS population exceeds 100,000, the PWS uses surface water sources and is a community PWS the values in the Regulations File are used by the Water Quality Compliance Subsystem. See Sections 141.26(b)(1)(i), (4)(i), (4)(ii) of the National Interim Primary Drinking Water Regulations, Part II.

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 225	**MNEMONIC NAME:** PW-S-CFREQ	**PROGRAM NAME:** PWF-STATE-CONTAMINANT-FREQ

DESCRIPTION AND USE:
Represents the monitoring frequency to be used when monitoring a beta emitter for a Public Water System.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric representing the number of months between samples or blank. For example, '01' means monthly, '02' means every two months, '03' means quarterly, ..., '12' means yearly, etc.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, PWF-STATE-FAC-CONTAMINANT-ID (catalogue number 224) must be present - error code 030.

ADDITIONAL COMMENTS:
If all frequencies are blank, the values in the Regulations File are used by the Water Quality Compliance Subsystem. See Sections 141.26(b)(1)(i),(4)(i), (4)(ii) of the National Interim Primary Drinking Water Regulations, Part II.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 226	**MNEMONIC NAME:** PW-S-GALP	**PROGRAM NAME:** PWF-STATE-MONITOR-GROSS-ALPHA

DESCRIPTION AND USE:
Represents the monitoring frequency for gross alpha particle activity for the Public Water System after initial analysis.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric representing the number of months between gross alpha samples or zero. For example, '01' means monthly, '02' means every two months, '03' means quarterly, ..., '12' means yearly, etc.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

ADDITIONAL COMMENTS:
If zero, the value from the Regulations File will be used by the Water Quality Compliance Subsystem. See Section 141.26(3),(3)(i), (3)(ii) of the National Interim Primary Drinking Water Regulations, Part II.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: No

DATA ELEMENT

CATALOGUE NO.: 227	MNEMONIC NAME: PW-S-RADM	PROGRAM NAME: PWF-STATE-MONITOR-RADIUM-MTHS

DESCRIPTION AND USE: Represents the monitoring frequency for radium particle activity for the Public Water System after initial analysis.	DATA TYPE: N PICTURE: 9(2)

SOURCE(S):

Input Form

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric representing the number of months between radium samples or zero. For example, '01' means monthly, '02' means every two months, '03' means quarterly, ..., '12' means yearly, etc.

EDIT CRITERIA:

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:

If zero, the value from the Regulations File will be used by the Water Quality Compliance Subsystem. See Section 141.26(3),(3)(i), (3)(ii) of the National Interim Primary Drinking Water Regulations, Part II.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 228	**MNEMONIC NAME:** PW-S-NUMSP	**PROGRAM NAME:** PWF-STATE-NUM-SAMPLES-PER-YR

DESCRIPTION AND USE: Represents the number of samples to be taken per year for gross alpha and radium analysis when the average annual concentration is less than half of the maximum *	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or zero.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

ADDITIONAL COMMENTS:
See Section 141.26(3) of the National Interim Primary Drinking Water Regulations, Part II.

*contaminant level for the PWS.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
229	PW-S-GWATR	PWF-STATE-GROUND-WATER-MONITOR

DESCRIPTION AND USE: Represents whether the Public Water System is to monitor for organic contaminants, gross beta particle activity or *

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

0 = None
1 = Organic monitoring only
2 = Gross beta monitoring only
3 = Both organic and gross beta monitoring

EDIT CRITERIA:

If entered, must be '0', '1', '2' or '3' - error code 407.
If in error, default to '0'.

ADDITIONAL COMMENTS:
See Sections 141.24(a)(2) and 141.26(b)(1)(iii) of the National Interim Primary Drinking Water Regulations, Parts IV and II, respectively.

* both if it is supplied by ground water sources only.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
230	PW-S-RREQ	PWF-STATE-REPORT-REQUIRED

DESCRIPTION AND USE:
Represents a flag indicating whether the Public Water System must submit a monthly operations report.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:									

ACCEPTABLE VALUES:

Y = Yes, operations reporting required
N - No, operations reporting not required

EDIT CRITERIA:

If entered, must be 'Y' or 'N' - error code 407.
If in error, default to 'N'.

ADDITIONAL COMMENTS:
This field is used by the Water Quality Compliance Subsystem for the identification of Monthly Operations Report Violations and for scheduling operation report cards.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 231	**MNEMONIC NAME:** PW-S-LAST	**PROGRAM NAME:** PWF-STATE-LAST-REPORT-DATE

DESCRIPTION AND USE: Represents the month and year during which the last monthly operations report was submitted.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input Form or Water Quality Compliance Scheduling

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid month and year or zero

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be a valid month and year no later than the current date - error code 403.

ADDITIONAL COMMENTS:
This field is used by the Water Quality Compliance Subsystem for the identification of Monthly Operation Report Violations and for scheduling operations report cards.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 232	**MNEMONIC NAME:** PW-S-ENGM	**PROGRAM NAME:** PWF-STATE-ENGLISH-METRIC-SYSTM

DESCRIPTION AND USE: Represents a flag indicating whether the English (gallons/Fahrenheit) or metric (liters/celsius) system of measurement is used to record plant capacities and air *

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

E = English System

M = Metric System

EDIT CRITERIA:

If entered, must be either 'E' or 'M' - error code 407.

If in error, default to 'E'.

When creating a new record, default to 'E'.

ADDITIONAL COMMENTS: This field is used by the Water Quality Compliance Subsystem for determining which MCL to use (based on the annual average of the daily maximum air temperature) for determining fluoride contaminant violations. See Section 141.11(c) of the National Interim Primary Drinking Water Regulations, Part IV.
*temperature by the PWS.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 233	**MNEMONIC NAME:** PW-S-RESV	**PROGRAM NAME:** PWF-STATE-RESERVE-FOR-STATE

DESCRIPTION AND USE:
Represents space to be used for state discretionary fields.

DATA TYPE: A/N

PICTURE: X(100)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:
The first fourteen (14) positions will be filled by the National Public Water System Inventory File key for those water supplies covered by MSIS program PWSI120.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 234	**MNEMONIC NAME:** PW-LST-UP	**PROGRAM NAME:** PWF-LAST-UPDATE-DATE

DESCRIPTION AND USE: Represents the Julian date on which the record was last updated.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

This date is used by the Federal Reporting Subsystem for determination of those Public Water Systems to be reported annually to EPA.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 235	**MNEMONIC NAME:** PW-LA-ID	**PROGRAM NAME:** PWF-LAB-ID

DESCRIPTION AND USE:
Represents the 5 digit laboratory identification of a laboratory performing a major percentage of analysis for the PWS.

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric laboratory identification on the Laboratory Table for a given contaminant group or blank.

EDIT CRITERIA:

If entered, must be on the Laboratory Table for bacteriological, inorganic, organic and radiological categories - error code 402.

If entered, must be numeric - error code 401.

ADDITIONAL COMMENTS: Provision has been made for the specifications of the primary laboratory which performs the majority of analysis for the PWS categories as follows:
First occurence - Bacteriological, Second occurrence- inorganic, Third occurrence - organic, Fourth occurrence - radiological, Fifth occurence - Turbidity

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 236	**MNEMONIC NAME:** PW-LA-CFLG	**PROGRAM NAME:** PWF-LAB-CAPTIVE-FLAG

DESCRIPTION AND USE:
Represents a flag indicating whether or not the laboratory belongs to the Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Y = Yes, laboratory belongs to PWS
N = No, laboratory is independent of the PWS

EDIT CRITERIA:

If entered, must be 'Y' or 'N' - error code 407.

If in error and PWF-LAB-ID (catalogue number 235) is present, default to 'N'.

If entered, PWF-LAB-ID must be present (except for Turbidity) - error code 410.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 237	**MNEMONIC NAME:** PW-OW-TYPE	**PROGRAM NAME:** PWF-OWNER-TYPE

DESCRIPTION AND USE: Represents a code indicating the type of ownership pertaining to the Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any owner type on the Code Value Table or blank.

Allow for 26 values on the Code Value Table.

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	Yes**	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
238*	PW-VE-CTAM	PWF-VAEX-CONTAMINANT-ID

DESCRIPTION AND USE: Represents the contaminant identification of a contaminant specified as a condition to a variance, exemption or enforcement action for the PWS.

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S): Input Form or Variances and Exemptions Subsystem

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric contaminant identification in the Code Value Table or blank.

Allow up to 200 values on the Code Value Table.

EDIT CRITERIA:

If entered, must be numeric - error code 010.
If entered, must be on the Code Value Table - error code 014.
If entered, the first digit (contaminant group) must be '1', '2', or '4' - error code 011.
If entered with occurrence of '*', there must be a blank occurrence already existing on file - error code 031.
If entered without a 'D' or '*' must change matching occurrence with same contaminant-ID or does not exist on file - error code 005.
If this field is reinitialized ($), reinitialize PWF-VAEX-MODIFIED-MCL, PWF-VAEX-MODIFIED-MCL-DEC, PWF-VAEX-ALT-MONITOR-FREQ (catalogue numbers 239 to 241).

ADDITIONAL COMMENTS:
This field does not apply to turbidity or bacteriological contaminants.
**Not required on the record - no warning issued if missing
* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes **	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 239	**MNEMONIC NAME:** PW-VE-MCL	**PROGRAM NAME:** PWF-VAEX-MODIFIED-MCL

DESCRIPTION AND USE: Represents the numeric portion of a modified Maximum Contaminant Level (MCL) which has been grated to the PWS as a condition of a variance, exemption or enforcement *	**DATA TYPE:** A/N **PICTURE:** X(5)

SOURCE(S):

Input Form or Variances and Exemptions Subsystem

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank.

EDIT CRITERIA:

If entered, must be numeric - error code 010.

If entered, PWF-VAEX-CONTAMINANT-ID must be present - error code 030.

When reinitialized with a ($), PWF-VAEX-MODIFIED-MCL-DEC (catalogue number 240) is also reinitialized.

* action for a given contaminant.

ADDITIONAL COMMENTS: If blank and associated with a contaminant identification, this indicates that the PWS is completely exempted from monitoring for the contaminant as a condition of an exemption. It does not apply to turbidity or bacteriological contaminants.

** not required on the record - no warning if missing

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	Yes **	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
240	PW-VE-DEC	PWF-VAEX-MODIFIED-MCL-DEC

DESCRIPTION AND USE: Represents the decimal locator for a modified Maximum Contaminant Level (MCL) which has been granted to the PWS as a condition of a variance, exemption or enforce- *

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form or Variances and Exemptions Subsystem

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank.

For example, if PWF-VAEX-MODIFIED-MCL is 2345 and PWF-VAEX-MODIFIED-MCL-DEC is 2, the modified MCL is 23.45

EDIT CRITERIA:

If entered, must be numeric - error code 010.

If entered, PWF-VAEX-CONTAMINANT-ID and PWF-VAEX-MODIFIED-MCL (catalogue numbers 238 and 239) must be present - error code 030.

When reinitializing with a ($), PWF-VAEX-MODIFIED-MCL is also reinitialized.

* ment action for a given contaminant.

ADDITIONAL COMMENTS: If blank and associated with a contaminant identification, this indicates that the PWS is completely exempted from monitoring for the contaminant as a condition of an exemption. It does not apply to turbidity or bacteriological contaminants.

**not required on the record - no warning if missing.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes **	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 241	**MNEMONIC NAME:** PW-VE-AMF	**PROGRAM NAME:** PWF-VAEX-ALT-MONITOR-FREQ

DESCRIPTION AND USE:
Represents an alternate monitoring frequency to be used for monitoring a contaminant as a condition to a variance, exemption or *

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):
Input Form or Variances and Exemptions Subsystem

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric representing the number of months between samples or blank.

For example, '01' means monthly, '02' means every two months, '03' means quarterly, ..., '12' means yearly, etc.

EDIT CRITERIA:

If entered, must be numeric - error code 010.

If entered, PWF-VAEX-CONTAMINANT-ID, PWF-VAEX-MODIFIED-MCL and PWF-VAEX-MODIFIED-MCL-DEC (catalogue numbers 238, 239 and 240) must be present - error code 030.

* enforcement action granted to the Public Water System.

ADDITIONAL COMMENTS: This will only be used if a modified maximum contaminant level has also been issued for a given contaminant as a condition of a variance, exemption or enforcement action. It does not apply for turbidity or bacteriological contaminants.

** not required on the record - no warning if missing.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
242	PW-PL-SONM	PWF-PLANT-SOURCES-NUMBER

DESCRIPTION AND USE:
Represents the number of water sources used by a Public Water

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric from 01 to 15

EDI [illegible] ITERIA:

None - internally generated

ADDITIONAL COMMENTS:

There must be at least one source of water.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 243	**MNEMONIC NAME:** PW-PL-SONA	**PROGRAM NAME:** PWF-PLANT-SOURCE-NAME

DESCRIPTION AND USE: Represents the name of a water source used by the Public Water System	**DATA TYPE:** A/N **PICTURE:** X(15)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 244	**MNEMONIC NAME:** PW-PL-SOCO	**PROGRAM NAME:** PWF-PLANT-SOURCE-CODE

DESCRIPTION AND USE:
Represents a code identifying the type of water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

S = Surface Water
G = Ground Water
P = Purchased Water (originating surface source)
W = Purchased Water (origninating ground source)
Z = Delete this source

EDIT CRITERIA:

If entered, must be 'S', 'G', 'P', 'W', or 'Z' - error code 011.

When adding a water source, must be entered - error code 004.

ADDITIONAL COMMENTS:

If any water source has a code of 'S' or 'P', the entire Public Water System is classified as using surface water.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 245	**MNEMONIC NAME:** PW-PL-WELL	**PROGRAM NAME:** PWF-PLANT-NUM-OF-WELLS

DESCRIPTION AND USE:
Represents the number of wells within a given ground water source.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric or blank

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, PWF-PLANT-SOURCE-CODE (catalogue number 244) should be 'G' or 'W' - error code 101.

ADDITIONAL COMMENTS:

If a number of wells are treated in one treatment plant, they are considered as one water source.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 246	**MNEMONIC NAME:** PW-PL-AVAL	**PROGRAM NAME:** PWF-PLANT-AVAILABILITY

DESCRIPTION AND USE: Represents a code describing the availability of a water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric code in the Code Value Table or blank.

Allow for 10 values in the Code Value Table.

EDIT CRITERIA:

If entered, must be in the Code Value Table - error code 402.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 247	**MNEMONIC NAME:** PW-PL-BASN	**PROGRAM NAME:** PWF-PLANT-BASIN-NUMBER

DESCRIPTION AND USE: Represents a code indicating a river or lake from which water is obtained by the Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any four digit numeric River Basin Code in the Code Value Table or blank.

Allow 50 values in the Code Value Table.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be on the Code Value Table - error code 402.

If entered, PWF-PLANT-SOURCE-CODE (catalogue number 244) should be 'S' or 'P' - error code 101.

ADDITIONAL COMMENTS:

The values used on the Code Value Table are those values defined by STORET.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 248	**MNEMONIC NAME:** PW-PL-LATI	**PROGRAM NAME:** PWF-PLANT-LATITUDE

DESCRIPTION AND USE:
Represents the latitude of the water source in degrees, minutes and seconds.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric latitude of the form DDDMMSS where

DDD - degrees
MM - minutes
SS - seconds

On the Code Value Table, or blank.

Allow for 260 values on the Code Value Table.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If eneterd, the first position of DDD must be 0, MM and SS must not exceed 59 - error code 407.

If entered, and PWF-PLANT-AREA-COUNTY-CODE (catalogue number 159) is present, the value should be within the range defined by the minimum and maximum latitudes acceptable for the county - error code 102, 103.

ADDITIONAL COMMENTS:
The minimum and maximum latitudes used on the Code Value Table are those values defined by STORET.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 249	**MNEMONIC NAME:** PW-PL-LONG	**PROGRAM NAME:** PWF-PLANT-LONGITUDE

DESCRIPTION AND USE:
Represents the longitude of the water source in degrees, minutes and seconds.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any numeric longitude of the form DDDMMSS where

DDD - degrees
MM - minutes
SS - seconds

on the Code Value Table, or blank.

Allow for 260 values on the Code Value Table.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, MM and SS must not exceed 59 - error code 407.

If entered and PWF-PLANT-AREA-COUNTY-CODE (catalogue number 159) is present, the value should be within the range defined by the minimum and maximum latitudes acceptable for the county - error code 102, 103.

ADDITIONAL COMMENTS:
The minimum and maximum latitudes used on the Code Value Table are those values defined by STORET.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes*	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 250	**MNEMONIC NAME:** PW-PL-SLID	**PROGRAM NAME:** PWF-PLANT-SELLER-ID

DESCRIPTION AND USE: Represents the Public Water System identification of the PWS selling water to this PWS.	**DATA TYPE:** A/N **PICTURE:** X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Numeric 0000001 to 9999999

EDIT CRITERIA:

If entered, must be numeric - error code 401.

Must be entered when adding a water source if PWF-PLANT-SOURCE-CODE (catalogue number 244) is 'P' or 'W' - error code 406.

ADDITIONAL COMMENTS:

If more than one PWS-ID applies, the PWS identification of the largest is used.

* missing only if PWF-PLANT-SOURCE-CODE is 'P' or 'W'

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 251	**MNEMONIC NAME:** PW-PL-AERA	**PROGRAM NAME:** PWF-PLANT-AERATION

DESCRIPTION AND USE:
Represents a flag indicating whether a given aeration technique has been applied to a water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning is used

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes*	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 252	**MNEMONIC NAME:** PW-PL-PREC	**PROGRAM NAME:** PWF-PLANT-PRECHLORINATION

DESCRIPTION AND USE: Represents a flag indicating whether a given prechlorination technique has been applied to a water source.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):

Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

*If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 253	**MNEMONIC NAME:** PW-PL-COAG	**PROGRAM NAME:** PWF-PLANT-COAGULATION

DESCRIPTION AND USE: Represents a flag indicating whether a given coagulation technique has been applied to a water source.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 254	**MNEMONIC NAME:** PW-PL-SEDI	**PROGRAM NAME:** PWF-PLANT-SEDIMENTATION

DESCRIPTION AND USE: Represents a flag indicating whether a given sedimentation technique has been applied to a water source	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 255	**MNEMONIC NAME:** PW-PL-FILT	**PROGRAM NAME:** PWF-PLANT-FILTRATION

DESCRIPTION AND USE: Represents a flag indicating whether a given filtration technique has been applied to a water source	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 256	**MNEMONIC NAME:** PW-PL-CORR	**PROGRAM NAME:** PWF-PLANT-CORROSION-CNTRL

DESCRIPTION AND USE: Represents a flag indicating whether a given corrosion control technique has been applied to a water source.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes*	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 257	**MNEMONIC NAME:** PW-PL-SOFT	**PROGRAM NAME:** PWF-PLANT-SOFTENING

DESCRIPTION AND USE:
Represents a flag indicating whether a given softening technique has been applied to a water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDD**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 258	**MNEMONIC NAME:** PW-PL-TAST	**PROGRAM NAME:** PWF-PLANT-TASTE-ODOR

DESCRIPTION AND USE:
Represents a flag indicating whether a given taste and odor removing technique has been applied to a water source

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 259	**MNEMONIC NAME:** PW-PL-IRON	**PROGRAM NAME:** PWF-PLANT-IRON-REMOVAL

DESCRIPTION AND USE: Represents a flag indicating whether a given iron removal technique has been applied to a water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 260	**MNEMONIC NAME:** PW-PL-AMMO	**PROGRAM NAME:** PWF-PLANT-AMMONIATION

DESCRIPTION AND USE:
Represents a flag indicating whether a given ammoniation technique has been applied to a water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 261

MNEMONIC NAME: PW-PL-FLOR

PROGRAM NAME: PWF-PLANT-FLUORIDE-ADJUSTMENT

DESCRIPTION AND USE:
Represents a flag indicating whether a given fluoride adjustment technique has been applied to a water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/16 1976	1	Yes *	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
262	PW-PL-DISI	PWF-PLANT-DISINFECTION

DESCRIPTION AND USE: Represents a flag indicating whether a given disinfection technique has been applied to a water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes *	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 263	**MNEMONIC NAME:** PW-PL-OTHE	**PROGRAM NAME:** PWF-PLANT-OTHER-TREATMENT

DESCRIPTION AND USE:
Represents a flag indicating whether a given technique has been applied to a water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* If missing, no warning message is produced

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 264	**MNEMONIC NAME:** PW-PL-RESE	**PROGRAM NAME:** PWF-PLANT-RESERVE

DESCRIPTION AND USE: Represents a field reserved for state use for describing a water source.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any alphanumeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/76

VERSION: 1

REQUESTED BY EPA TO BE REPORTED ANNUALLY: No

MANDATED FOR MSIS PROCESSING REQUIREMENTS: No

DATA ELEMENT

CATALOGUE NO.: 265

MNEMONIC NAME:

PROGRAM NAME: PWT-RELATIVE-REC-NUMBER

DESCRIPTION AND USE: The relative track address at which the record is to be placed or at which to search for the record.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Machine generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/76	1	Yes	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
266		PWT-ID

DESCRIPTION AND USE:
A unique seven digit identification number of the PWS

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

0000000 to 9999999

EDIT CRITERIA:

1. Must be numeric
2. Any other transaction - a corresponding number must not exist on the Public Water Table (PWT)

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 267	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-MAILING-NAME

DESCRIPTION AND USE:
The official mailing name of a Public Water System (PWS)

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): PWS Permit Documents

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 268	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-MAILING-STREET

DESCRIPTION AND USE:
The first line of the mailing address of the PWS.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any character string
As a part of the mailing address it must contain the street address.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 269	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-MAILING-CITY

DESCRIPTION AND USE:
The second line of the mailing address which will contain the ciyt name

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S):
PWS Permit Documents

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any character string
As a part of the mailing address, must contain the city name

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: Yes	MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes

DATA ELEMENT

CATALOGUE NO.: 270	MNEMONIC NAME:	PROGRAM NAME: PWT-MAILING-STATE

DESCRIPTION AND USE:
The postal code of the state which controls the PWS Plant.
(May be different from the plant address)

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): State Postal Code Table, Input Transactions

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any valid postal code

EDIT CRITERIA:

Must be alphabetic and contained in a state postal code table.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 271	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-MAILING-ZIP-CODE

DESCRIPTION AND USE: The zip code, as attached to the mailing address of the PWS	**DATA TYPE:** A/N **PICTURE:** X(5)

SOURCE(S): Zip code list, Input Transaction

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any valid 5 digit zip code

EDIT CRITERIA:

Must be numeric or blank

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 272	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-MAILING-AREA-CODE

DESCRIPTION AND USE: Area code of telephone number associated with the mailing address.	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Source documents, PWS Permits

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any valid area code

EDIT CRITERIA:

Must be numeric or blank

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 273	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-MAILING-PNONE-NUMBER

DESCRIPTION AND USE: Seven digit telephone number associated with the mailing address	**DATA TYPE:** A/N **PICTURE:** X(7)

SOURCE(S): Source documents, such as PWS Permits

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Seven (7) digit telephone number

EDIT CRITERIA:

Must be numeric and not zero.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 274

MNEMONIC NAME:

PROGRAM NAME: PWT-STATE-REGION

DESCRIPTION AND USE:
A code identifying an administrative region of the state

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Determined by the state when MSIS is implemented. If state does not control water quality by regions, field is empty.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 275	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-STATE-DISTRICT

DESCRIPTION AND USE: A code identifying an administrative district within a region	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

As determined by state at MSIS implementation. Can also contain county code.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11-76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 276	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-PLANT-TYPE

DESCRIPTION AND USE: A flag to indicate whether the plant is community or non-community PWS	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Determined by field inspectors according to federal regulations

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

C = Community
N = Non-community

EDIT CRITERIA:

Must be a "C" or "N".

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 277	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-PLANT-POPULATION-SERVED

DESCRIPTION AND USE: Total population obtaining water from this system-not to include the population of consecutive water systems.	**DATA TYPE:** A/N **PICTURE:** X(9)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any number greater than zero

EDIT CRITERIA:

Must be numeric and greater than zero

ADDITIONAL COMMENTS:

By the federal regulations, it must be at least 25, but state regulations may define a PWS as one serving less than 25 people.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/76	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
278		PWT-PLANT-COMPLIANCE-CYCLE

DESCRIPTION AND USE: This data element describes the compliance cycle for a particular PWS

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): As determined at MSIS installation time.

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x						
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any number in the range 01-99. For a PWS that is monitored monthly the compliance cycle is the day on which the compliance month starts. For example-compliance cycle 20 means that the reporting periods starts at the 20th.

EDIT CRITERIA:

Must be numeric and greater than zero. If PWS monitored monthly, compliance cycle must be less than 29. If PWS monitored quarterly, may have any value 01 to 99.

ADDITIONAL COMMENTS:

If the states do not wish to use the compliance cycle feature, the value will be set to '01'.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
279		CVT-CARD-CODE

DESCRIPTION AND USE:
The Card Code indicates which type of card this is: 1 = Error Message Data, 2 = Code Value Data, 3 = Data Element Table.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x	x	x	x	x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

2 = Code Value Data

EDIT CRITERIA:

This data element must equal 2.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
280		CVT-FILE-ID

DESCRIPTION AND USE:
The File-ID indicates which file uses this code value.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x	x	x	x	x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

PW = Public Water System Inventory File
LB = Laboratory File
RG = Regulations File
VE = Variances and Exemptions File
EA = Enforcement Actions File
OM = Operator and Mailing File
MS = More than one file uses this code value

EDIT CRITERIA:

This field must equal PW, RG, VE, EA, OM, MS, or LB

ADDITIONAL COMMENTS:
When a code value record is used by more than one file, then use the standard file code, MS. For example, contaminant code values should use 'MS' for its File - ID.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 281	**MNEMONIC NAME:**	**PROGRAM NAME:** CVT-CATALOGUE-NO

DESCRIPTION AND USE:
The unique 3 digit number used to identify the data element.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x	x	x	x	x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Numeric-greater than zero

EDIT CRITERIA:

This field must be numeric

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 282	**MNEMONIC NAME:**	**PROGRAM NAME:** CVT-DATA-EL-VALUE

DESCRIPTION AND USE: This is a nine position field which will contain an acceptable value for a specific code on the Code Value Table.	**DATA TYPE:** A/N **PICTURE:** X(9)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x	x	x	x	x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

EDIT CRITERIA:

This data element has nine positions in which to store data. If n represents the value of CV-LENGTH, then the field position in this data element greater than N cannot contain a non-blank character. If a catalogue number appears more than once for a file ID, they must contain different values.

ADDITIONAL COMMENTS:
The acceptable values for catalogue #248, latitude, and catalogue #249, longitude, are specified in the CVT-DATA-EL-DESC field. For #248 and #249 a county code is entered in this field.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 283	**MNEMONIC NAME:**	**PROGRAM NAME:** CVT-DATA-LENGTH

DESCRIPTION AND USE: The Data-Length is the length of the Data Element's acceptable value.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x	x	x	x	x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

1 to 9

EDIT CRITERIA:

This field must equal 1 - 9.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
284		CVT-DATA-EL-DESC

DESCRIPTION AND USE: This is a 30 position description of what a specific acceptable code on the Code Value Table represents.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x	x	x	x	x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

This field must be non-blank.

**of this field. Positions 1-7 and 8-14 are of the format DDMMSS, where D stands for degrees, M stands for minutes, and S stands for seconds.

ADDITIONAL COMMENTS: Due to the necessity of permitting a minimum and maximum value for latitude and longitude, the acceptable values are entered in this field rather than in the CVT-DATA-EL-VALUE. County code is entered in the CVT-DATA-EL-VALUE, the minimum latitude or longitude is entered in positions 1-7 of this field, and the maximum latitude or longitude is entered in position 8-14 ** (above)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
285		DET-CARD-CODE

DESCRIPTION AND USE:
The Card Code indicates which kind of table card this is: 1 = Error Message Data, 2 = Code Value Data, 3 - Data Element Data

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x			x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

3 = Data Element Data

EDIT CRITERIA:

This data element must equal 3.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 286	**MNEMONIC NAME:**	**PROGRAM NAME:** DET-FILE-ID

DESCRIPTION AND USE:
Indicates to which file this data element belongs.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

EA - Enforcement Actions File
LB - Laboratory Table
OM - Operator and Mailing File
PH - Public History File
PS - Periodic Sample File
PW - Public Water File
RG - Regulations File
SA - Sample Analysis File
SH - Standard History File
VE - Variances and Exemptions File
VI - Violations File

EDIT CRITERIA:

The data element must equal PW, PS, SA, VI, RG, VE, OM, SH, PH, EA, LB

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 287	**MNEMONIC NAME:**	**PROGRAM NAME:** DET-CATALOGUE-NO

DESCRIPTION AND USE: The unique 3 digit number used to identify the data element	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Numeric and greater than zero

EDIT CRITERIA:

This field must be numeric. No other record in the Data Element Table with similar DE-FILE-ID must have this number.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 288	**MNEMONIC NAME:**	**PROGRAM NAME:** DET-START-POSITION

DESCRIPTION AND USE:
The card column starting position on the input transaction on which this data element is entered.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

00 to 80

EDIT CRITERIA:

1. This field must be numeric and equal 01 through 80 inclusive or zero.
2. DET-START-POSITION + DET-INPUT-LENGTH (catalogue #291) must be less than 82.

ADDITIONAL COMMENTS:
This is used in Standard Processing Report to indicate the card columns of data elements which are in error. If a data element is internally generated the field will contain 00.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 289	**MNEMONIC NAME:**	**PROGRAM NAME:** DET-FILE-START-POSITION

DESCRIPTION AND USE:
This is the start position of a data element within the record, within the file.

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Numeric greater than zero or all asterisks (*)'s.

EDIT CRITERIA:

This field must be numeric or filled with '****'s.

ADDITIONAL COMMENTS:
Asterisks (*)'s are used to indicate that this data element has multiple occurrances within a record and, therefore, does not have a unique starting position. Asterisks also are used to indicate that the data element does not exist on the file as in the case of transaction codes.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 290	**MNEMONIC NAME:**	**PROGRAM NAME:** DET-DATA-LENGTH

DESCRIPTION AND USE: The number of positions on the file used to contain the data element.	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Numeric and greater than zero

EDIT CRITERIA:

This must be numeric greater than zero.

ADDITIONAL COMMENTS:
This data element is not applicable to certain fields not maintained on permanent files (e.g., card code). Even so, this data element must contain a non-zero numeric value.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 291

MNEMONIC NAME:

PROGRAM NAME: DET-INPUT-LENGTH

DESCRIPTION AND USE: This is the 2 position field that determines the length of a data element as it is input to MSIS as opposed to the length as it is *

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

00 - 80

EDIT CRITERIA:

1. Must be 00 to 80

ADDITIONAL COMMENTS:
If a data element is internally generated the field will contain 00.

*stored in MSIS.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 292	**MNEMONIC NAME:**	**PROGRAM NAME:** DET-MNEMONIC-NAME

DESCRIPTION AND USE:
Mnemonic name of the data element.

DATA TYPE: A/N

PICTURE: X(10)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Any character string.

EDIT CRITERIA:

This field must be non-blank.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.: 293

MNEMONIC NAME:

PROGRAM NAME: DET-HISTORY-CODE

DESCRIPTION AND USE: Used to indicate whether or not this data element is kept on the Standard History File (or for PWS data elements, the PWS History File).

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

N = do not save on History File

Y = save on History File

EDIT CRITERIA:

This field must equal 'Y' or 'N', if the DET-FILE-ID equal EA, OM, PW, VE, or VI. Otherwise, it may be 'Y', 'N', or blank.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 294	**MNEMONIC NAME:**	**PROGRAM NAME:** EMT-CARD-CODE

DESCRIPTION AND USE:
Card code is used to indicate a type of table card. 1 = Error Message Data, 2 = Code Value Data, 3 = Data Element Table.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									x
OUTPUT OF:									x

ACCEPTABLE VALUES:

1 = Error Message Data

EDIT CRITERIA:

This data element must equal 1.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
295		EMT-FILE-ID

DESCRIPTION AND USE: The file-ID is used to permit consistency with the CVT and DET input card formats.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									x
OUTPUT OF:									x

ACCEPTABLE VALUES:

MS - Multiple Subsystems

EDIT CRITERIA:

This field must equal MS

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 296	**MNEMONIC NAME:**	**PROGRAM NAME:** EMT-ERROR-CODE

DESCRIPTION AND USE: * See Comments	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									x
OUTPUT OF:									x

ACCEPTABLE VALUES:

001 - 100 are used when an entire input transaction is rejected

101 - 400 are used when the value for a single input field is questionable

400 - 900 are used when the value for a single input field is invalid

EDIT CRITERIA:

These codes must be numeric.

ADDITIONAL COMMENTS: *The Error Code is a 3 digit code which represents an error situation which occurred during a data entry or file creation module. This code is then associated with an error message on the Error Message Table and is used in the Standard Error Handling Module.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 297	**MNEMONIC NAME:**	**PROGRAM NAME:** EMT-ERROR-MESSAGE

DESCRIPTION AND USE: The Error Message is a description of the error code. The Message and Code are associated on the Error Message Table.	**DATA TYPE:** A/N **PICTURE:** X(28)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

This field must not be blank

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 298	**MNEMONIC NAME:**	**PROGRAM NAME:** SEF-TRANSACTION

DESCRIPTION AND USE: This is the 80 character image of the update transaction which had some edit errors occur when it was being processed.	**DATA TYPE:** A/N **PICTURE:** X(80)

SOURCE(S): Update transactions for the PWS, WAWC, REGS, VAEX, EMAC, OPER, and Standard Processing subsystems.

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									x
OUTPUT OF:	x		x		x	x		x	x

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 299	**MNEMONIC NAME:**	**PROGRAM NAME:** SEF-CATALOGUE-NO

DESCRIPTION AND USE: This is the three position data element catalogue number which identifies a specific data element on a file

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S): Internally generated.

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									x
OUTPUT OF:	x		x		x	x		x	x

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 300	**MNEMONIC NAME:**	**PROGRAM NAME:** SEF-ERROR-CODE

DESCRIPTION AND USE: This is a three position code which is used to identify specific error conditions. It is used in conjunction with the*

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):

Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									x
OUTPUT OF:	x		x		x	x		x	x

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* Error Message Table in printing the Standard Error Report.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
301	SH-FILE-ID	SHF-FILE-ID

DESCRIPTION AND USE: These codes are part of the access key for a Standard History Record. They indicate from which file a History record originated.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Internally Generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									x
OUTPUT OF:			x		x	x		x	x

ACCEPTABLE VALUES:

VI - Violations File
VE - Variances and Exemptions File
EA - Enforcement Actions File
OM - Operator and Mailing File

EDIT CRITERIA:

ADDITIONAL COMMENTS: These codes are internally generated in the system and should never be incorrect.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 302	**MNEMONIC NAME:** SH-REC-ID	**PROGRAM NAME:** SHF-RECORD-ID

DESCRIPTION AND USE: Record identification is part of the access key on the Standard History File. It is the unique record identification from the originating record.

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									x
OUTPUT OF:			x		x	x		x	x

ACCEPTABLE VALUES:

The record identification that was on the original MSIS record.

For Violations - Violation ID
For Variances and Exemptions - V or E ID
For Enforcement Actions - Case ID
For Operator and Mailing - Addressee ID

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 303	**MNEMONIC NAME:** SH-CAT-NO	**PROGRAM NAME:** SHF-CATALOGUE-NO

DESCRIPTION AND USE:
A numeric code identifying an MSIS data element.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									x
OUTPUT OF:			x		x	x		x	x

ACCEPTABLE VALUES:

Data element catalogue number specified in the Data Element Dictionary pertaining to the Violations File, the Variances and Exemptions File, the Enforcement Actions File, and the Operator and Mailing File.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

These codes are assigned internally and should never be incorrect.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	**VERSION:**	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:**	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:**
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	**MNEMONIC NAME:**	**PROGRAM NAME:**
304	SH-CUR-UP	SHF-CUR-UPDATE-DATE

DESCRIPTION AND USE: This is the date an MSIS record was updated. It is used on the MSIS History file to identify changed data elements according to the date of the change.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									x
OUTPUT OF:			x		x	x		x	x

ACCEPTABLE VALUES:

A numeric date in Julian format.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

This date is internally generated in the system and should never be incorrect.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 305	**MNEMONIC NAME:** SH-LST-UP	**PROGRAM NAME:** SHF-LAST-UPDATE-DATE

DESCRIPTION AND USE: This is the date on which the record was previously updated. (Prior to the current update); this is used to establish an audit trail.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									x
OUTPUT OF:			x		x	x		x	x

ACCEPTABLE VALUES:

Numeric date in Julian format

EDIT CRITERIA:

ADDITIONAL COMMENTS: This date is internally generated in the system and should never be incorrect. The date contained in the last update date indicated the most previous date on which the source record was changed. (The date of change prior to this update).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/5 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
306	SH-OLD-VAL	SHF-OLD-VALUE

DESCRIPTION AND USE: This is the value of the data element on an MSIS record before an update transaction changed its value. It is used in the Standard History file for an audit trail.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									x
OUTPUT OF:			x		x	x		x	x

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 307	**MNEMONIC NAME:** SH-NEW-VAL	**PROGRAM NAME:** SHF-NEW-VALUE

DESCRIPTION AND USE: This is the value of a data element on an MSIS record after an update transaction changed its value. It is used in the Standard History File for an audit trail.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									x
OUTPUT OF:			x		x	x		x	x

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 308	**MNEMONIC NAME:**	**PROGRAM NAME:** OEF-MAX-KEY

DESCRIPTION AND USE: This is the first 26 positions of an input record image passed to the Standard Error Processing module.

DATA TYPE: A/N

PICTURE: X(26)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:
The Optional Error File (OEF) is generated upon user request and may be utilized for error correction if an on-line text editing capability exists.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/5 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 309	**MNEMONIC NAME:**	**PROGRAM NAME:** OEF-REST-OF-TRAN

DESCRIPTION AND USE: This is the last 54 positions of an input record image passed to the Standard Error Processing module.	**DATA TYPE:** A/N **PICTURE:** X(54)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	x
OUTPUT OF:									x

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Same comment as catalogue #308.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 310	**MNEMONIC NAME:** PH-PWS-ID	**PROGRAM NAME:** PHF-PWS-ID

DESCRIPTION AND USE:
A seven digit number uniquely identifying a Public Water System within a state

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Internally generated from PWF record creating the PWF record

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

0000000 to 9999999

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 311	**MNEMONIC NAME:** PH-CAT-NO	**PROGRAM NAME:** PHF-CATALOGUE-NO

DESCRIPTION AND USE: A unique three (3) digit code identifying an MSIS data element	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Pre-assigned

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

All the data element catalogue numbers specified on the Data Element Table (DET)

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 312	**MNEMONIC NAME:** PH-CUR-UP	**PROGRAM NAME:** PHF-CUR-UPDATE-DATE

DESCRIPTION AND USE:
The current date (Julian) that the update run occured

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
The date is entered from the Processing Options 'PROC' record.

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any valid date

EDIT CRITERIA:

ADDITIONAL COMMENTS:
A five (5) digit date in the format of:
2 digit Julian year
3 digit Julian day

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 313	**MNEMONIC NAME:** PH-PW-NAME	**PROGRAM NAME:** PHF-PLANT-OWNER-NAME

DESCRIPTION AND USE:
The official name of the Public Water System.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): PWS permit documents from PWSI010

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: No

DATA ELEMENT

CATALOGUE NO.: 314	MNEMONIC NAME: PH-S-REGN	PROGRAM NAME: PHF-STATE-REGION

DESCRIPTION AND USE: A code identifying an administrative region of the state	DATA TYPE: A/N PICTURE: X(2)

SOURCE(S):
Internally generated from PWF record creating the PHF record.

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

As determined by the state when the MSIS is implemented. If state does not control water quality by regions, this field is empty.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 315	**MNEMONIC NAME:** PH-S-DIST	**PROGRAM NAME:** PHF-STATE-DISTRICT

DESCRIPTION AND USE: A code identifying an administrative district within a region	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S):
Internally generated from PWF record creating the PHF record.

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

As determined by state at MSIS implementation. If a state does not control water quality by district, this field may be empty.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:**	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:**

DATA ELEMENT

CATALOGUE NO.: 316	**MNEMONIC NAME:** PH-LST-UP	**PROGRAM NAME:** PHF-LAST-UPDATE-DATE

DESCRIPTION AND USE:
The date (in Julian) that the last update run was made.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
The date is entered from the previous Processing Option's 'PROC' *

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Any valid date

EDIT CRITERIA:

ADDITIONAL COMMENTS:
A five digit date in the format of:
a) 2 - digit Julian year
b) 3 - digit Julian year

* record.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 317	**MNEMONIC NAME:** PH-OLD-VAL	**PROGRAM NAME:** PHF-OLD-VALUE

DESCRIPTION AND USE:
The value of an MSIS data element before an update action changed its value. Used in the MSIS History File for audit trail.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S):
MSIS record that was updated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

The original value of the data element. Dates in Julian format are converted to regular (MMDDYY) format.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/20 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 318	**MNEMONIC NAME:** PH-NEW-VAL	**PROGRAM NAME:** PHF-NEW-VALUE

DESCRIPTION AND USE:
The value of an MSIS data element after an update action changed its value. Used in the MSIS History File (PHF) for an audit trail.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S):
MSIS record that was updated.

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x								
OUTPUT OF:	x								

ACCEPTABLE VALUES:

The new value of the data element. Dates in regular format (MMDDYY) are converted to Julian (YYDDD) format.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/25 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 319	**MNEMONIC NAME:** LB-ID	**PROGRAM NAME:** LBT-LAB-ID

DESCRIPTION AND USE: Represents the ID Code of the approved laboratory for water sampling analysis.	**DATA TYPE:** A/N **PICTURE:** X(5)

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error Code 010
2. Greater than zero - Error Code 013
3. Unique for each L1 card - Error Code 001

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/25 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 320	**MNEMONIC NAME:** LB-CONTGRP	**PROGRAM NAME:** LBT-CONTAMINANT-GROUP

DESCRIPTION AND USE:
Represents the contaminant group for which the Lab has been certified to do analysis, the first digit of the Contaminant-ID Code.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

0 - Turbidity
1 - Inorganic Chemical
2 - Organic Chemical
3 - Microbiological
4 - Radionuclide
9 - Other

EDIT CRITERIA:

1. Numeric - Error Code 010
2. Acceptable Value (0 - 4 or 9) - Error Code 011

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/25 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 321	**MNEMONIC NAME:** LB-OW-TYPE	**PROGRAM NAME:** LBT-OWNER-TYPE

DESCRIPTION AND USE:
Represents the owner type code of the approved laboratory for water sampling analysis.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Lab Owner Type on the Code Value Table allow up to 9 Lab Owner Types.

EDIT CRITERIA:

1. Numeric - Error Code 010
2. On the Code Value Table - Error Code 014

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/25 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 322	**MNEMONIC NAME:** LB-NAME	**PROGRAM NAME:** LBT-LAB-NAME

DESCRIPTION AND USE:
Represents the name of the approved laboratory for water sampling analysis.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

Must be non-blank - Error Code 011

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/25 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 323	**MNEMONIC NAME:** LB-EXP-DT	**PROGRAM NAME:** LBT-EXPIRATION-DATE

DESCRIPTION AND USE: Represents the date on which State approval or authorization of a particular laboratory terminates	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Valid Date or Blank

EDIT CRITERIA:

If not blank, must be a valid date - Error Code 033

ADDITIONAL COMMENTS:
Input at X(6) - MMDDYY; stored as 9(5) - YYddd - Julian

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/25 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 324	**MNEMONIC NAME:** LB-REL-REC	**PROGRAM NAME:** LBT-RELATIVE-RECORD

DESCRIPTION AND USE: Used in programs which access the Laboratory Table for reducing the number of file seeks necessary before finding the desired record.	**DATA TYPE:** N **PICTURE:** 9(6)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 10/25 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 325	**MNEMONIC NAME:** LB-METHCNT	**PROGRAM NAME:** LBT-METHOD-COUNT

DESCRIPTION AND USE: Represents a count of the number of analysis method codes contained in a given Laboratory Table record.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

None - internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/21 1977	1	Yes	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
326	VI-PWS-ID	VIF-PWS-ID

DESCRIPTION AND USE: The seven-digit Public Water System Identification number associated with a particular violation.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric - 7 digits - 0000001 - 9999999

EDIT CRITERIA:

Normal processing - internally generated, no edit
All manual update transactions:

If entered, must be numeric - error code 401
If entered, must be greater than zero - error code 405
If entered, must be on the Public Water Table (PWT) - error code 409

When manually creating a new record

must be entered - error code 004
must be numeric - error code 010
must be greater than zero - error 013
must be on PWT - error code 015

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 327	**MNEMONIC NAME:** VI-PWS-NAM	**PROGRAM NAME:** VIF-PWS-NAME

DESCRIPTION AND USE:
Represents the official name of the Public Water System.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S):
Public Water Table

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/21 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.: 328

MNEMONIC NAME: VI-PWS-TYP

PROGRAM NAME: VIF-PWS-TYPE

DESCRIPTION AND USE: Represents a flag indicating if this Public Water System is a community or non-community PWS.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Public Water Table

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

'C' - Community
'N' - Non-community

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 329	**MNEMONIC NAME:** VI-POPULAT	**PROGRAM NAME:** VIF-POPULATION

DESCRIPTION AND USE: Represents the total population obtaining water from this Public Water System - not to include the population of consecutive water systems unless otherwise specified.	**DATA TYPE:** A/N **PICTURE:** X(9)

SOURCE(S): Public Water Table

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any number greater than zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 330	**MNEMONIC NAME:** VI-REG-LVL	**PROGRAM NAME:** VIF-REGULATION-LEVEL

DESCRIPTION AND USE: Indicates the type and level of regulations violated.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input form or Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Code	Regulation Type	Level
FP	Federal	Primary
FS	Federal	Secondary
SP	State	Primary
SS	State	Secondary

EDIT CRITERIA:

On manual update transactions, it must be either 'FP', 'FS', 'SP' or 'SS' or blank - error code 407.

When manually creating a new record

must be entered - error code 004
must be 'FP', 'FS', 'SP', or 'SS' - error code 011

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes**	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 331	**MNEMONIC NAME:** VI-CONT-ID	**PROGRAM NAME:** VIF-CONTAMINANT-ID

DESCRIPTION AND USE:
Represents the Contaminant Identification code of the sample(s) in violation.

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S):
Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Contaminant ID on the Code Value Table or blank. Allow for 200 values on the Code Value Table.

EDIT CRITERIA:

Normal processing - internally generated, no edit
All manual transactions if entered:

1. Must be numeric - error code 401
2. Must be greater than zero - error code 405
3. Must be onthe Code Value Table - error code 402

ADDITIONAL COMMENTS:
* See Appendix A of this document
** If not entered, do not print warning message if violation type is greater than 4.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 332	**MNEMONIC NAME:** VI-SRC-CD	**PROGRAM NAME:** VIF-SOURCE-CODE

DESCRIPTION AND USE: Represents a code indentifying the type of water source for the Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Public Water Table

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

S - Surface Water
G - Ground Water

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 333	**MNEMONIC NAME:** VI-LAB-ID	**PROGRAM NAME:** VIF-LAB-ID

DESCRIPTION AND USE:
Represents the identification code of the Laboratory performing the analysis on the sample(s) in violation.

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S):
Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric or blank
Not necessary for Turbidity violations

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions (if entered):

Must be numeric - error code 401
Must be greater than zero - error code 405
Must be on the Laboratory Table (LBT) with the expiration date for the Lab not yet passed - error code 407

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 334	**MNEMONIC NAME:** VI-LAB-NAM	**PROGRAM NAME:** VIF-LAB-NAME

DESCRIPTION AND USE: Represents the name of the Laboratory which performed the analysis on the sample(s) in violation.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Laboratory Table

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any character string

Blank for Turbidity Violations

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 335	**MNEMONIC NAME:** VI-SPLDATE	**PROGRAM NAME:** VIF-SAMPLE-DATE

DESCRIPTION AND USE: Represents the date on which the sample was taken	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions (if entered):

Must be numeric - error code 401
Must be a valid date - error code 403
Must not be greater than the processing date - error code 404

ADDITIONAL COMMENTS:

On file - format of YYddd - 9(5) (Julian)

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 336	**MNEMONIC NAME:** VI-SPLREQD	**PROGRAM NAME:** VIF-SAMPLES-NUM-REQUIRED

DESCRIPTION AND USE: Represents the number of samples required by the regulaitons governing the monitoring of the contaminant associated with the violation	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual additon or update transactions, if entered:

Must be numeric - error code 401
Must be greater than zero - error code 405

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 337	**MNEMONIC NAME:** VI-SPLTAKN	**PROGRAM NAME:** VIF-SAMPLES-NUM-TAKEN

DESCRIPTION AND USE: Represents the actual number of samples taken for the contaminant associated with the violation	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions, if entered:

Must be numeric - error code 401
Must be greater than zero - error code 405

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 338	**MNEMONIC NAME:** VI-AN-METH	**PROGRAM NAME:** VIF-ANALYSIS-METHOD

DESCRIPTION AND USE: Represents the code for the analysis method used in the sample analysis which caused the violation.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

- Any valid analysis method code on the Laboratory Table or blank

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual update or addition transactions, if entered:

Must be numeric - error code 401
Must be greater than zero - error code 405
Must be on the Laboratory Table (LBT) with the expiration date not yet passed - error code 407

For Turbidity violations, do not edit against LBT, must be 001 - error code 407

ADDITIONAL COMMENTS:

This field only applies to Maximum Contaminant Level (MCL) Violations.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 339	**MNEMONIC NAME:** VI-AN-RESL	**PROGRAM NAME:** VIF-ANALYSIS-RESULT

DESCRIPTION AND USE: The analysis result for the sample in violation of the regulations	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x	x		x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions, if entered:

Must be numeric - error code 401
Must be entered if VIF-ANALYSIS-DECIMALS is greater than zero - error code 406

Automatically reinitialized if VIF-ANALYSIS-DECIMALS is reinitialized.

ADDITIONAL COMMENTS:

This field only applies to Maximum Contaminant Level (MCL) Violations

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 340	**MNEMONIC NAME:** VI-AN-DEC	**PROGRAM NAME:** VIF-ANALYSIS-DECIMALS

DESCRIPTION AND USE: Represents the number of fractional decimal places in the analysis result, VIF-ANALYSIS-RESULT

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

For example, if VIF-ANALYSIS-RESULT is 2345 and VIF-ANALYSIS-DECIMALS is 2, then the value 23.45 is used for analysis results.

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions, if entered:

Must be numeric - error code 401
Must be entered if VIF-ANALYSIS-RESULT is greater than zero - error code 406

Automatically reinitialized if VIF-ANALYSIS-RESULT is reinitialized.

ADDITIONAL COMMENTS:

This field only applies to Maximum Contaminant Level (MCL) Violations

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 341	**MNEMONIC NAME:** VI-ANDATE	**PROGRAM NAME:** VIF-ANALYSIS-DATE

DESCRIPTION AND USE: Represents the date the analysis was performed on a sample in violation.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions if entered:

Must be numeric - error code 401
Must be a valid date - error code 403
Must not be greater than processing date -error code 404

ADDITIONAL COMMENTS:

On file - format of YYddd - 9(5) - (Julian)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 342	**MNEMONIC NAME:** VI-SAMPLCT	**PROGRAM NAME:** VIF-SAMPLING-CUTOFF-DATE

DESCRIPTION AND USE: Represents the last date of the sampling compliance period.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions, if entered:

Must be numeric - error code 401
Must be a valid date - error code 403

ADDITIONAL COMMENTS:

On file - format of YYddd - 9(5) - (Julian)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 343	**MNEMONIC NAME:** VI-VIOL-TP	**PROGRAM NAME:** VIF-VIOLATION-TYPE

DESCRIPTION AND USE: Represents a code describing the violation type.	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid violation type on the Code Value Table

Allow 10 entries on the Code Value Table

EDIT CRITERIA:

Normal processing - internally generated, no edit.
All manual update transactions, if entered:

Must be numeric - error code 401
Must be greater than zero - error code 405
Must be on the Code Value Table - error code 402

When manually creating a new record,

must be entered - error code 004
must be numeric - error code 010
must be greater than zero - error 013
must be on CVT - error code 014

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 344	**MNEMONIC NAME:** VI-VIOL-DT	**PROGRAM NAME:** VIF-VIOLATION-DATE

DESCRIPTION AND USE:
Represents the date on which the violation occured. When not on input, it is first day of the compliance cycle.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

Normal processing - internally generated, no edit.
All manual update transactions, if entered:

Must be a valid date - error code 403
Must be numeric - error code 401
Must be greater than zero - error code 405

When manually creating a new record

must be valid date - error code 033
must be numeric - error code 010
must be greater than zero - error code 013

ADDITIONAL COMMENTS:

On file format of YYddd - 9(5) - (Julian)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes*	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 345	**MNEMONIC NAME:** VI-MCLVIOL	**PROGRAM NAME:** VIF-MCL-VIOLATED

DESCRIPTION AND USE:
Represents the Maximum Contaminant Level (MCL) which was violated by the sample.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions, if entered:

Must be numeric - error code 401
Must be greater than zero - error code 405
Must be entered or zero if VIF-MCL-VIOL-DECIMALS is greater than zero- error code 406

Automatically reinitialize if VIF-MCL-VIOL-DECIMALS is reintialized.

ADDITIONAL COMMENTS:
This field only applies to MCL violations.

* If violation type is greater than 2 do not print a warning message.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 346	**MNEMONIC NAME:** VI-MCLDEC	**PROGRAM NAME:** VIF-MCL-VIOL-DECIMALS

DESCRIPTION AND USE: The number of fractional decimal places in the MCL value violated, VIF-MCL-VIOLATED	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S):
Input form or internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

For example: if VIF-MCL-VIOLATED is 2345 and VIF-VIOL-DECIMALS is 2, then the value 23.45 is used for the MCL Violated.

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions, if entered:

Must be numeric - error code 401
Must be entered if VIF-MCL-VIOLATED is greater than zero - error code 406

Automatically reinitialize if VIF-MCL-VIOLATED is reinitialized.

ADDITIONAL COMMENTS:

This field only applies to MCL Violations.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/21 1977	1	Yes*	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
347	VI-SPLVIOL	VIF-SAMPLING-FREQ-VIOL

DESCRIPTION AND USE:
Represents the sampling frequency violated

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S):
Input form or internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions (if entered):

Must be numeric - error code 401
Must be greater than zero - error code 405

ADDITIONAL COMMENTS:
This field only applies to sampling violations.

* If violation type is not equal 3 or 4 do not print a warning message.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 348	**MNEMONIC NAME:** VI-NUMSPVI	**PROGRAM NAME:** VIF-NUM-SAMPLES-VIOL

DESCRIPTION AND USE:
Represents the number of single samples in violation.

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - internally generated, not edit.
Manual addition or update transactions, if entered:

Must be numeric - error code 401

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 349	**MNEMONIC NAME:** VI-VIOLDUR	**PROGRAM NAME:** VIF-VIOLATION-DURATION

DESCRIPTION AND USE: Represents the duration, in months, of a violation of the regulations.

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition or update transactions, if entered:

Must be numeric - error code 401

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 350	**MNEMONIC NAME:** VI-NOTIPUB	**PROGRAM NAME:** VIF-NOTIFY-PUBLIC

DESCRIPTION AND USE: A flag indicating whether or not the Public was notified in the event of a violation.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			xx						

ACCEPTABLE VALUES:

Blank
Y = Yes, the Public was notified
N = No, the Public was not notified

EDIT CRITERIA:

Normal processing internally generated, no edit.
All manual transactions (if entered):

Must be a 'Y' or 'N' - error code 407

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 351	**MNEMONIC NAME:** VI-NOTISTA	**PROGRAM NAME:** VIF-NOTIFY-STATE

DESCRIPTION AND USE:
A flag indicating whether or not the State was notified in the event of a violation.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Blank
Y = Yes, the State was notified
N = No, the State was not notified

EDIT CRITERIA:

Normal processing - internally generated, no edit.
All manual transactions (if entered):

Must be a 'Y' or 'N' - error code 407

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 352	**MNEMONIC NAME:** VI-REGION	**PROGRAM NAME:** VIF-REGION

DESCRIPTION AND USE:
Represents a code identifying the administrative region of the State which is responsible for monitoring the PWS.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Public Water Table

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid region code on the Code Value Table or blank.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 353	**MNEMONIC NAME:** VI-DISTRIC	**PROGRAM NAME:** VIF-DISTRICT

DESCRIPTION AND USE:
Represents a code identifying the administrative distric of the State which is responsible for monitoring the PWS.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S):
Public Water Table

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid district code on the Code Value Table or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 354	**MNEMONIC NAME:** VI-SPLTYPE	**PROGRAM NAME:** VIF-SAMPLE-TYPE

DESCRIPTION AND USE: Identifies the type of sample in violation. See codes below.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input form or internally generated.

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

C = Check Sample
D = Regular Distribution Sample
P = Plant Tap Water
R = Raw Water Sample
S = Special Sample

or blank

EDIT CRITERIA:

Normal processing - internally generated, no edit.

If entered on a manual transaction , must be 'C', 'D', 'P', 'R' or 'S' - error code 407.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 355	**MNEMONIC NAME:** VI-SPLKEY	**PROGRAM NAME:** VIF-SAMPLE-KEY

DESCRIPTION AND USE:
Represents a key used to identify a record on the Periodic Sample File. Composed of the processing date and a sequence number within the*

DATA TYPE: A/N

PICTURE: X(10)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric - consists of YYDDDXXXXX where YYDDD = Julian date of the processing run, XXXXX = sequential counter of the sample records processed. Or zero.

EDIT CRITERIA:

Normal processing - internally generated, no edit.
All manual transactions (if entered):

Must be numeric - error code 401

ADDITIONAL COMMENTS:
On file - format of YYDDDXXXXX - YYDDD - Julian date and XXXXX - sequential counter - X(10).

* date.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 356	**MNEMONIC NAME:** SA-PWS-ID	**PROGRAM NAME:** SAF-PWS-ID

DESCRIPTION AND USE:
The seven digit Identification Code of the Public Water System to which the sample applies

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S):
Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric in the range of 0000001 to 9999999

EDIT CRITERIA:

Normal processing - no edit
Manual delete Transactions:

Must be Numeric - error code 010
Must be greater than zero - error code 013
Must be on the SAF - error code 003
Must be entered - error code 011

ADDITIONAL COMMENTS:
In normal processing, data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 357	**MNEMONIC NAME:** SA-CONID	**PROGRAM NAME:** SAF-CONTAMINANT-ID

DESCRIPTION AND USE: The Contaminant ID Code of the Sample Record

DATA TYPE: A/N

PICTURE: X(4)

SOURCE(S): Periodic Sample Vile

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x		*				
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid contaminant ID on the Code Value Table. Maximum of 200 values on the Code Value Table permitted.

EDIT CRITERIA:

Normal processing - no edit
Manual delete Transactions:

Must be numeric - error code 010
Must be greater than zero - error code 013
Must be on the SAF - error code 003
Must be entered - error code 011

ADDITIONAL COMMENTS:

If normal processing, data element is copied from the Periodic Sample File (PSF).
*See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
1/25 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.: 358

MNEMONIC NAME: SA-SAMPLID

PROGRAM NAME: SAF-SAMPLE-ID-CODE

DESCRIPTION AND USE: A 3 digit code used to tie a given check sample with the original sample

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF). Only required for regular samples for which check samples will be taken and for the ensuing check samples.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 359	**MNEMONIC NAME:** SA-SAMPLTP.	**PROGRAM NAME:** SAF-SAMPLE-TYPE

DESCRIPTION AND USE: Represents the type of sample collected. See codes below.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

C = Check Sample
D = Regular Distribution Sample
P = Plant Tap Water
R = Raw Water Sample
S = Special Sample

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 360	**MNEMONIC NAME:** SA-SAMPLDT	**PROGRAM NAME:** SAF-SAMPLE-DATE

DESCRIPTION AND USE:
The date on which the sample was taken.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian Date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF). On input, MMDDYY X(6); on File - YYddd (Julian - 9(5).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 361	**MNEMONIC NAME:** SA-SAMPLTM	**PROGRAM NAME:** SAF-SAMPLE-TIME

DESCRIPTION AND USE: The Time, expressed using the 24-hour clock, at which the sample was taken.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric - 0001 to 2400

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
1/25 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
362	SA-SAMPLKY	SAF-SAMPLE-KEY

DESCRIPTION AND USE:
A unique key for each sample record

DATA TYPE: A/N

PICTURE: X(10)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric - consists of YYdddXXXXX where YYddd = Julian date of the processing run, XXXX = sequential counter of the sample records processed.

EDIT CRITERIA:

Normal processing - no edit.
Manual delete transactions:

Must be numeric - error code 010
Must be greater than zero - error code 013
Must be on the SAF - error code 003
Must be entered - error code 011

ADDITIONAL COMMENTS:
In normal processing, data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: No

DATA ELEMENT

CATALOGUE NO.: 363	MNEMONIC NAME: SA-RECDTYP	PROGRAM NAME: SAF-RECORD-TYPE

DESCRIPTION AND USE: Indicates whether the record is detail or summary.	DATA TYPE: A/N PICTURE: X(1)

SOURCE(S):

Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

D = Detail Record
S = Summary Record

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data elements is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 364

MNEMONIC NAME: SA-PWS-TYP

PROGRAM NAME: SAF-PWS-TYPE

DESCRIPTION AND USE:
A flag indicating if this Public Water System (PWS) is a community or non-community PWS.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Public Water File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

C - Community
N - Non-community

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Public Water File (PWF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 365	**MNEMONIC NAME:** SA-POP-SRV	**PROGRAM NAME:** SAF-POPULATION-SERVED

DESCRIPTION AND USE: The Total population obtaining water from this system

DATA TYPE: A/N

PICTURE: X(9)

SOURCE(S): Public Water File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any number greater than zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element copied from the Public Water File (PWF).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 366	**MNEMONIC NAME:** SA-SOURCE	**PROGRAM NAME:** SAF-SOURCE-CODE

DESCRIPTION AND USE: Identifies the type of water source.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Public Water File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

S - Surface Water
G - Ground Water

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Public Water File.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 367	**MNEMONIC NAME:** SA-AN-METH	**PROGRAM NAME:** SAF-ANALYSIS-METHOD

DESCRIPTION AND USE:
The analysis method used for the particular sample or summary

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - no edit.
Manual delete Transactions:

Must be numeric - error code 010
Must be greater than zero - error code 013
Must be on the SAF - error code 003
Must be entered - error code 011

ADDITIONAL COMMENTS:
In normal processing, data element copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 368	**MNEMONIC NAME:** SA-LAB-ID	**PROGRAM NAME:** SAF-LAB-ID

DESCRIPTION AND USE: The ID code of the Laboratory processing the sample.

DATA TYPE: A/N

PICTURE: x(5)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 369	**MNEMONIC NAME:** SA-LAB-OWN	**PROGRAM NAME:** SAF-LAB-OWNER-TYPE

DESCRIPTION AND USE:
The Owner Type code of the Laboratory analyzing the sample(s)

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid lab owner type on the Code Value Table

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Data element is copied form the Periodic Sample File (PSF)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
1/25 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.: 370

MNEMONIC NAME: SA-D-ANRSL

PROGRAM NAME: SAF-DETL-ANALYSIS-RESULT

DESCRIPTION AND USE:
The result of the smaple analysis expressed in the appropriate units of measurements.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 371	**MNEMONIC NAME:** SA-D-ANDEC	**PROGRAM NAME:** SAF-DETL-ANALYSIS-DECIMALS

DESCRIPTION AND USE: The number of fractional decimal places in SA-D-ANRSL.	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 372	**MNEMONIC NAME:** SA-D-ANDTE	**PROGRAM NAME:** SAF-DETL-ANALYSIS-DATE

DESCRIPTION AND USE:
Date the sample analysis was performed.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF). On File - YYddd (Julian) 9(5).

Model State Information System
Training Program

Volume XII

PROGRAM DOCUMENTATION
Data Element Dictionary

PART 2

Prepared for the

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Cincinnati, Ohio

July, 1977

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
1/25 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
373	SA-S-HIRSL	SAF-SUMM-HIGHEST-RESULT

DESCRIPTION AND USE:
The highest single result of all samples analyzed

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 374	**MNEMONIC NAME:** SA-S-HIDEC	**PROGRAM NAME:** SAF-SUMM-HIGH-DECIMALS

DESCRIPTION AND USE: The number of fractional decimal places in SA-S-HIRSL	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 374	**MNEMONIC NAME:** SA-S-HIDEC	**PROGRAM NAME:** SAF-SUMM-HIGH-DECIMALS

DESCRIPTION AND USE: The number of fractional decimal places in SA-S-HIRSL	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 375	**MNEMONIC NAME:** SA-S-LORSL	**PROGRAM NAME:** SAF-SUMM-LOWEST-RESULT

DESCRIPTION AND USE:
The lowest single result of all sample analyzed

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S):
Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 376	**MNEMONIC NAME:** SA-S-LODEC	**PROGRAM NAME:** SAF-SUMM-LOW-DECIMALS

DESCRIPTION AND USE:
The number of fractional decimal places in SA-S-LORSL

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 377	**MNEMONIC NAME:** SA-S-MNRSL	**PROGRAM NAME:** SAF-SUMM-MEAN-RESULT

DESCRIPTION AND USE: The arithmetic mean (average) of all samples in one summary.	**DATA TYPE:** N
	PICTURE: 9(4)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 378	**MNEMONIC NAME:** SA-S-MNDEC	**PROGRAM NAME:** SAF-SUMM-MEAN-DECIMALS

DESCRIPTION AND USE: The number of fractional decimal places in SA-S-MNRSL.	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 379	**MNEMONIC NAME:** SA-REQ-SPL	**PROGRAM NAME:** SAF-REQUIRED-NUM-SAMPLES

DESCRIPTION AND USE: The number of samples required by the regulations - Federal or State - whichever is greater.	**DATA TYPE:** N **PICTURE:** 9(3)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 380	**MNEMONIC NAME:** SA-ACT-SPL	**PROGRAM NAME:** SAF-ACTUAL-NUM-SAMPLES

DESCRIPTION AND USE:
The actual number of samples taken.

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S):
Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 381	**MNEMONIC NAME:** SA-PRD-STR	**PROGRAM NAME:** SAF-SAMPLE-PERIOD-START

DESCRIPTION AND USE: The start date of the sampling period.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF). On file - YYddd (Julian) 9(5).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 382	**MNEMONIC NAME:** SA-PRD-END	**PROGRAM NAME:** SAF-SAMPLE-PERIOD-END

DESCRIPTION AND USE:
The ending date of the sampling period.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).
On file - YYddd (Julian) 9(5).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 383	**MNEMONIC NAME:** SA-RGLRSPL	**PROGRAM NAME:** SAF-REGULAR-SAMPLE-DATE

DESCRIPTION AND USE: The date the distribution system sample was taken	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):
Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

On file - YYddd (Julian) - 9(5).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 384	**MNEMONIC NAME:** SA-SAMPLCT	**PROGRAM NAME:** SAF-SAMPLING-CUTOFF-DATE

DESCRIPTION AND USE: The last date of the current sample compliance period.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Valid date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

On file - YYddd (Julian) - 9(5).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 385	**MNEMONIC NAME:** SA-SAMPLDU	**PROGRAM NAME:** SAF-NEXT-SAMPLE-DUE-DATE

DESCRIPTION AND USE:
The date of the next compliance period

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:
On file - YYddd (Julian) 9(5).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 386	**MNEMONIC NAME:** SA-AIR-TMP	**PROGRAM NAME:** SAF-AIR-TEMPERATURE

DESCRIPTION AND USE:
The annual average of daily maximum air temperature at the sampling site.

DATA TYPE: N

PICTURE: 9(2)V9(1)

SOURCE(S):
Public Water File or Processing Options

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
1/25 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
387	SA-CHK-FED	SAF-CHECK-SAMPLE-FEDERAL

DESCRIPTION AND USE:
A flag indicating whether or not all the check samples as required by Federal regulations were taken.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Periodic Sample File or Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Y - Yes, as many or more check samples were taken than required by Federal regulations.

N - No, fewer check samples were taken than required by Federal regulations.

blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 388	**MNEMONIC NAME:** SA-CHK-STA	**PROGRAM NAME:** SAF-CHECK-SAMPLE-STATE

DESCRIPTION AND USE: A flag incidating whether or not all the check samples as required by state regulations were taken.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Y - Yes, as many or more check samples were taken than required by state regulations

N - No, fewer check samples were taken than required by state regulations.

blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	VERSION: 1	REQUESTED BY EPA TO BE REPORTED ANNUALLY: No	MANDATED FOR MSIS PROCESSING REQUIREMENTS: No

DATA ELEMENT

CATALOGUE NO.: 389	MNEMONIC NAME: SA-CHK-NUM	PROGRAM NAME: SAF-CHECK-SAMPLE-NUMBER

DESCRIPTION AND USE: The actual number of check samples taken	DATA TYPE: N
	PICTURE: 9(3)

SOURCE(S):
Periodic Sample File or Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 390	**MNEMONIC NAME:** SA-VAR-MCL	**PROGRAM NAME:** SAF-VARIANCE-MCL

DESCRIPTION AND USE: Contains the MCL to be used for compliance when a variance has been granted by the State.	**DATA TYPE:** N
	PICTURE: 9(5)

SOURCE(S): Public Water File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Public Water File (PWF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 391	**MNEMONIC NAME:** SA-VAR-DEC	**PROGRAM NAME:** SAF-VARIANCE-DECIMALS

DESCRIPTION AND USE:
The number of fractional decimal places in SA-VAR-MCL

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Public Water File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Public Water File (PWF).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 392	**MNEMONIC NAME:** SA-FED-VIO	**PROGRAM NAME:** FAF-FEDERAL-VIOLATIONS

DESCRIPTION AND USE:
Number of violations of Federal regulations

DATA TYPE:
N

PICTURE:
9(4)

SOURCE(S):
Periodic Sample File or Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1-25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 393	**MNEMONIC NAME:** SA-STA-VIO	**PROGRAM NAME:** SAF-STATE-VIOLATIONS

DESCRIPTION AND USE:
Number of violations of State regulations

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S):
Periodic Sample File or Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1-25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 394

MNEMONIC NAME: SA-VIO-DUR

PROGRAM NAME: SAF-VIOLATION-DURATION

DESCRIPTION AND USE: The maximum duration, expressed in months, for the longest violation.

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S): Periodic Sample File or Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 395	**MNEMONIC NAME:** SA-NOTIPUB	**PROGRAM NAME:** SAF-NOTIFIED-PUBLIC

DESCRIPTION AND USE: A flag indicating whether or not the public was notifed in the event of a violation	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Blank - No violations
Y - Yes, The public was notified
N - No, The public was not notified

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 396	**MNEMONIC NAME:** SA-NOTISTA	**PROGRAM NAME:** SAF-NOTIFIED-STATE

DESCRIPTION AND USE: A flag indicating whether or not the state was notified in the event of a violation	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Periodic Sample File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Blank - No violations
Y - Yes, The State was notified
N - No, The State was not notified

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data element is copied from the Periodic Sample File (PSF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 397	**MNEMONIC NAME:** SA-MCLVIFL	**PROGRAM NAME:** SAF-MCL-VIOL-FLAG

DESCRIPTION AND USE: A flag used in compliance to indicate that the sample is an MCL Violation	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

'Y' - in MCL Violation
blank - not in MCL Violation

EDIT CRITERIA:

None - generated internally

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/4 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 398	**MNEMONIC NAME:** SA-MCLVFVL	**PROGRAM NAME:** SAF-MCL-VIOL-F-VALUE

DESCRIPTION AND USE: If the Sample is in violation of Federal MCL, this field contains the MCL value violated.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Zero - if not in Federal MCL Violation
Positive Number - if in Federal MCL Violation

EDIT CRITERIA:

None - Internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 399	**MNEMONIC NAME:** PS-PWS-ID	**PROGRAM NAME:** PSF-PWS-ID

DESCRIPTION AND USE: The ID code of the Public Water System to which the sample applies	**DATA TYPE:** A/N **PICTURE:** X(7)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010
2. Greater than zero - Error code 013
3. On the PWT- Error code 015

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 400*	**MNEMONIC NAME:** PS-CONID	**PROGRAM NAME:** PSF-CONTAMINANT-ID

DESCRIPTION AND USE: The CONTAMINANT-ID Code of the sample record.	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Contaminant ID on the Code Value Table

Allow maximum of 200 values on the 'MS'. Code Value Table

EDIT CRITERIA:

1. Numeric - Error code 010
2. Greater than zero - Error code 013
3. On the Code Value Table ('MS') - Error code 005

ADDITIONAL COMMENTS:

* See Appendix A of this document

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes*

DATA ELEMENT

CATALOGUE NO.: 401	**MNEMONIC NAME:** PS-SAMPLID	**PROGRAM NAME:** PSF-SAMPLE-ID-CODE

DESCRIPTION AND USE:
A 3-digit code used to tie a given check sample with the original sample.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any alphanumeric character string

* Only required for regular samples for which check samples will be taken and for the ensuing check samples.

EDIT CRITERIA:

If PSF-SAMPLE-TYPE is equal to 'C', must be present - error code 011.

ADDITIONAL COMMENTS:

This field will always be blank on Summary type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 402	**MNEMONIC NAME:** PS-SAMPLTP	**PROGRAM NAME:** PSF-SAMPLE-TYPE

DESCRIPTION AND USE: Represents the type of sample collected. See codes below.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

C, D, P, R, or S - as shown below

EDIT CRITERIA:

Must be one of following: - Error code 011

C - Check Sample

D - Regular Distribution System Sample

P - Plant Tap Sample

R - Raw Water Sample

S - Special Sample

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 403	**MNEMONIC NAME:** PS-SAMPLDT	**PROGRAM NAME:** PSF-SAMPLE-DATE

DESCRIPTION AND USE: The date on which the sample was taken	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Valid Date

EDIT CRITERIA:

1. Numeric - Error code 010
2. Valid Date - Error code 011
3. Not greater than processing date - Error code 012

ADDITIONAL COMMENTS:
For Summary type records, this field is the date of the last sample taken. On input-MMDDYY - X(6); on file - YYddd (Julian) 9(5).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 404	**MNEMONIC NAME:** PS-SAMPLTM	**PROGRAM NAME:** PSF-SAMPLE-TIME

DESCRIPTION AND USE:
The time, expressed using the 24-hour clock, at which the sample was taken.

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010
2. Greater than zero - Error code 013
3. 0001 through 2400 - Error code 011

ADDITIONAL COMMENTS:
On Summary type records, this field is zero, midnight is 2400, not 0000. The time applies to the same day during which the sample was taken.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 405	**MNEMONIC NAME:** PS-SAMPLKY	**PROGRAM NAME:** PSF-SAMPLE-KEY

DESCRIPTION AND USE: A unique key for each sample record	**DATA TYPE:** A/N
	PICTURE: X(10)

SOURCE(S):

Internally generated on input form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric -consists of YYdddXXXXX

Where YYddd = Julian date of the processing run, XXXXX = sequential counter of the sample records processed.

EDIT CRITERIA:

None - Internally generated for add transactions.

Must be entered on delete transactions - Error code 011.

Must match file value on delete transactions - Error code 003.

ADDITIONAL COMMENTS:

For first run of the day, PSF-SAMPLE-KEY sequence number is set to 1; for all other runs, it is set to a value of 1 plus the last run's counter - stored in the first record of the PSF.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 406	**MNEMONIC NAME:** PS-RECDTYP	**PROGRAM NAME:** PSF-RECORD-TYPE

DESCRIPTION AND USE: Indicates whether the record is detail or summary.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

D = Detail Record

S = Summary Record

EDIT CRITERIA:

None - Internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 407	**MNEMONIC NAME:** PS-AN-METH	**PROGRAM NAME:** PSF-ANALYSIS-METHOD

DESCRIPTION AND USE:
The analysis method used for the particular sample or summary.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010
2. Greater than zero - Error code 013
3. On the Lab Table (LBT) record for the appropriate contaminant group - Error code 011, except for Chlorine residual and turbidity, hand coded.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 408	**MNEMONIC NAME:** PS-LAB-ID	**PROGRAM NAME:** PSF-LAB-ID

DESCRIPTION AND USE:
The ID code of the Laboratory processing the sample

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.
2. Greater than zero - Error code 013.
3. On the Lab Table (LBT) with an expiration date greater than the analysis date - Error code 011.

ADDITIONAL COMMENTS:
On summary type records, this field is the ID code of the Lab processing the most samples on a particular summary.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/2 1976	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
409	PS-D-ANRSL	PSF-DETL-ANALYSIS-RESULT

DESCRIPTION AND USE:
The result of the sample analysis,expressed in the appropriate units of measurement.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.
2. Greater than zero - Error code 013.

ADDITIONAL COMMENTS:

This field is zero on Summary type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 410	**MNEMONIC NAME:** PS-D-ANDEC	**PROGRAM NAME:** PSF-DETL-ANALYSIS-DECIMALS

DESCRIPTION AND USE:
The number of fractional decimal places in PS-D-ANRSL

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.

ADDITIONAL COMMENTS:
This field is zero on Summary type records. For Contaminant ID = 4101 (Tritium), the value entered X 1000 is used in the compliance programs.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 411	**MNEMONIC NAME:** PS-D-ANDTE	**PROGRAM NAME:** PSF-DETL-ANALYSIS-DATE

DESCRIPTION AND USE:
Date the sample analysis was performed.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Valid date.

EDIT CRITERIA:

1. Numeric - Error code 010.
2. Valid date - Error code 011.
3. Not greater than processing date - Error code 012.
4. Not less than PSF-SAMPLE-DATE - Error code 013

ADDITIONAL COMMENTS:

This field is zero on Summary type records, on Input - MMDDYY - X(6); on file YYddd (Julian) - 9(5).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 412	**MNEMONIC NAME:** PS-S-HIRSL	**PROGRAM NAME:** PSF-SUMM-HIGHEST-RESULT

DESCRIPTION AND USE:
The highest single result of all samples analyzed.

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. If entered, numeric - error code 401.

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 413	**MNEMONIC NAME:** PS-S-HIDEC	**PROGRAM NAME:** PSF-SUMM-HIGH-DECIMALS

DESCRIPTION AND USE:
The number of fractional decimal places in PS-S-HIRSL

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. If entered, numeric - Error code 401.

ADDITIONAL COMMENTS:
This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 414	**MNEMONIC NAME:** PS-S-LORSL	**PROGRAM NAME:** PSF-SUMM-LOWEST-RESULT

DESCRIPTION AND USE:
The lowest single result of all samples analyzed.

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. If entered, numeric - Error code 401.
2. Not greater than PS-S-HIRSL - Error code 102.

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 415	**MNEMONIC NAME:** PS-S-LODEC	**PROGRAM NAME:** PSF-SUMM-LOW-DECIMALS

DESCRIPTION AND USE:
The number of fractional decimal places in PS-S-LORSL

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. If entered, Numeric - Error code 401

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes*

DATA ELEMENT

CATALOGUE NO.: 416	**MNEMONIC NAME:** PS-S-MNRSL	**PROGRAM NAME:** PSF-SUMM-MEAN-RESULT

DESCRIPTION AND USE: The arithmetic mean (average) of all the samples in one summary.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Numeric - Error code 010.

ADDITIONAL COMMENTS:

*This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 417	**MNEMONIC NAME:** PS-S-MNDEC	**PROGRAM NAME:** PSF-SUMM-MEAN-DECIMALS

DESCRIPTION AND USE: The number of fractional decimal places in PS-S-MNRSL	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 418	**MNEMONIC NAME:** PS-REQ-SPL	**PROGRAM NAME:** PSF-REQUIRED-NUM-SAMPLES

DESCRIPTION AND USE:
The number of samples required by the regulations - Federal or State, whichever is greater.

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. If entered, Numeric - Error code 401

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 419	**MNEMONIC NAME:** PS-ACT-SPL	**PROGRAM NAME:** PSF-ACTUAL-NUM-SAMPLES

DESCRIPTION AND USE: The actual number of samples taken.	**DATA TYPE:** N **PICTURE:** 9(3)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 420	**MNEMONIC NAME:** PS-PRD-STR	**PROGRAM NAME:** PSF-SAMPLE-PERIOD-START

DESCRIPTION AND USE:
The start date of the sampling period

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Valid Date:

EDIT CRITERIA:

1. If entered, Numeric - Error code 401
2. Valid Date - Error code 403
3. Not greater than the processing date - Error code 102.

ADDITIONAL COMMENTS:

This field is zero on Detail type records. On input - MMDDYY - X(6); on file - YYddd (Julian) - 9(5).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 421	**MNEMONIC NAME:** PS-PRD-END	**PROGRAM NAME:** PSF-SAMPLE-PERIOD-END

DESCRIPTION AND USE:

The ending date of the sampling period.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Valid Date:

EDIT CRITERIA:

1. If entered, Numeric - Error code 401.
2. Valid Date - Error code 403.
3. Not greater than the processing date - Error code 102.
4. Not less than PSF-SAMPLE-PERIOD-START - Error code 103.

ADDITIONAL COMMENTS:
This field is zero on Detail type records. On Input - MMDDYY - X(6); on file - YYddd (Julian) - 9(5).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes*

DATA ELEMENT

CATALOGUE NO.: 422	**MNEMONIC NAME:** PS-CHK-FED	**PROGRAM NAME:** PSF-CHECK-SAMPLE-FEDERAL

DESCRIPTION AND USE: A flag indicating if all the check samples as required by Federal regulations were taken.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Y - Yes, as many or more check samples were taken than required by Federal regulations.

N - No, fewer check samples were taken than required by Federal regulations.

Blank

EDIT CRITERIA:

Must be 'Y' or 'N' or blank - Error code 011

ADDITIONAL COMMENTS:

* This field is blank on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes*

DATA ELEMENT

CATALOGUE NO.: 423	**MNEMONIC NAME:** PS-CHK-STA	**PROGRAM NAME:** PSF-CHECK-SAMPLE-STATE

DESCRIPTION AND USE: A flag indicating if all the check samples as required by state regulations were taken.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Y - Yes, as many or more check samples were taken than required by state regulations

N - No, fewer check samples were taken than required by state regulations.

Blank

EDIT CRITERIA:

1. Must be 'Y' or 'N' or blank - Error code 011

ADDITIONAL COMMENTS:

*This field is blank on Detail records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 424	**MNEMONIC NAME:** PS-CHK-NUM	**PROGRAM NAME:** PSF-CHECK-SAMPLE-NUMBER

DESCRIPTION AND USE:
The actual number of check samples taken.

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 425	**MNEMONIC NAME:** PS-FED-VIO	**PROGRAM NAME:** PSF-FEDERAL-VIOLATIONS

DESCRIPTION AND USE: Number of violations of Federal regulations.	**DATA TYPE:** N **PICTURE:** 9(4)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 426

MNEMONIC NAME: PS-STA-VIO

PROGRAM NAME: PSF-STATE-VIOLATIONS

DESCRIPTION AND USE:

Number of violations of state regulations

DATA TYPE: N

PICTURE: 9(4)

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.
2. Should be greater than or equal to PSF-FEDERAL-VIOLATIONS - Error code 013.

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 427	**MNEMONIC NAME:** PS-VIO-DUR	**PROGRAM NAME:** PSF-VIOLATION-DURATION

DESCRIPTION AND USE: The maximum duration, expressed in months, for the longest violation	**DATA TYPE:** N **PICTURE:** 9(3)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - Error code 010.
2. If PS-FED-VIO or PS-STA-VIO are greater than zero, then PS-VIO-DUR should be greater than zero - Error code 013 else PS-VIO-DUR should be zero - Error code 011.

ADDITIONAL COMMENTS:

This field is zero on Detail type records.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 428	**MNEMONIC NAME:** PS-NOTIPUB	**PROGRAM NAME:** PSF-NOTIFIED-PUBLIC

DESCRIPTION AND USE:
A flag indicating whether or not the public was notified, in the event of a violation.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Blank - No violation

Y - Yes, the Public was notified

N - No, the Public was not notified

EDIT CRITERIA:

1. Must be 'Y', 'N', if violations existed - Error code 407.
2. Must be blank or equal 'N' if violations existed - Error code 407.

ADDITIONAL COMMENTS:

This field is blank on Detail type records.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 429	**MNEMONIC NAME:** PS-NOTISTA	**PROGRAM NAME:** PSF-NOTIFIED-STATE

DESCRIPTION AND USE:
A flag indicating whether or not the state was notified, in the event of a violation

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Blank - No violations.

Y - Yes, the State was notified

N - No, the State was not notified.

EDIT CRITERIA:

1. Must be 'Y' or 'N' if violations existed - Error code 407.
2. Must be blank or equal 'N' if violations didn't exist - Error code 407.

ADDITIONAL COMMENTS:

This field is blank in Detail type records.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 430	**MNEMONIC NAME:** EA-CASE-ID	**PROGRAM NAME:** EAF-CASE-ID

DESCRIPTION AND USE:
The unique 5 digit identifier for an Enforcement Action case.

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Numeric 0001 - 99999

EDIT CRITERIA:

1. Must be numeric - error code 010
2. If adding a new record, card type '00', this field must be unique - error code 002
3. If deleting or modifying an existing record, the ID must match an existing Enforcement Action ID - error code 003
4. Must be greater than zero - error code 011

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 431	**MNEMONIC NAME:** EA-CASE-RE	**PROGRAM NAME:** EAF-CASE-REF

DESCRIPTION AND USE:
Represents a legal reference identification for an Enforcement Action.

DATA TYPE: A/N

PICTURE: X(12)

SOURCE(S): Input Form.

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any alphanumeric string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 432	**MNEMONIC NAME:** EA-CASENAM	**PROGRAM NAME:** EAF-CASE-NAME

DESCRIPTION AND USE:
The name for an Enforcement Action.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any alphanumeric string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 433	**MNEMONIC NAME:** EA-ACT-DAT	**PROGRAM NAME:** EAF-ACTION-DATE

DESCRIPTION AND USE:
The date when an Enforcement Action was initiated.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

A valid Julian date or zero.

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be a valid date - error code 403.

ADDITIONAL COMMENTS:
The input date is MMDDYY which is converted to the Julian format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 434	**MNEMONIC NAME:** EA-CLOSE	**PROGRAM NAME:** EAF-CLOSE-OPEN-INDIC

DESCRIPTION AND USE:
A flag indicating whether an Enforcement Action case is open (active) or closed.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

1 = Yes, case open

2 = No, case closed

EDIT CRITERIA:

If entered, must be a '1' or '2' - error code 407.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/28 1977	1	Yes	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
435	EA-PLNTYPE	EAF-PLAINTIFF-TYPE

DESCRIPTION AND USE:
The type of plaintiff in the Enforcement Action case.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any type which has been defined on the Code Value Table. The Code Value Table may contain up to 26 such types.

EDIT CRITERIA:

If entered, must be an acceptable type on the Code Value Table - error code 402.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/28 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.: 436

MNEMONIC NAME: EA-PLNNAME

PROGRAM NAME: EAF-PLAINTIFF-NAME

DESCRIPTION AND USE: The name of the plaintiff for the Enforcement Action.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 437	**MNEMONIC NAME:** EA-DEFTYPE	**PROGRAM NAME:** EAF-DEFENDANT-TYPE

DESCRIPTION AND USE:
The type of defendant in the Enforcement Action case.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any type which has been defined on the Code Value Table. The Code Value Table may contain up to 26 such types.

EDIT CRITERIA:

If entered, must be an acceptable type on the Code Value Table - error code 402.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 438	**MNEMONIC NAME:** EA-DEFNAME	**PROGRAM NAME:** EAF-DEFENDANT-NAME

DESCRIPTION AND USE: The name of the defendant for the Enforcement Action.	**DATA TYPE:** A/N **PICTURE:** X(30)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any alphanumeric character string.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 439	**MNEMONIC NAME:** EA-ORDERNO	**PROGRAM NAME:** EAF-CONSENT-ORDER-NO

DESCRIPTION AND USE: The consent order number when applicable to an Enforcement Action.	**DATA TYPE:** A/N **PICTURE:** X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any alphanumeric character string.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 440	**MNEMONIC NAME:** EA-ORDATE	**PROGRAM NAME:** EAF-CONS-ORD-DATE

DESCRIPTION AND USE: The date of the consent order.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

A valid Julian date or zero

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be a valid date - error code 403.

ADDITIONAL COMMENTS:
The input date format is MMDDYY which is converted to the Julian format of YYDDD.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/28 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.: 441

MNEMONIC NAME: EA-PERNO

PROGRAM NAME: EAF-PERMIT-NO

DESCRIPTION AND USE: The number of the permit used to operate a Public Water System.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 442	**MNEMONIC NAME:** EA-PERDATE	**PROGRAM NAME:** EAF-PERMIT-DATE

DESCRIPTION AND USE: The date when a permit to operate a Public Water System was issued.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

A valid Julian date or zero

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be a valid date - error code 403.

ADDITIONAL COMMENTS:

The input date format is MMDDYY which is converted to the Julian format of YYDDD.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/28 1977	1	Yes	No

DATA ELEMENT

CATALOGUE NO.: 443

MNEMONIC NAME: EA-PWS-ID

PROGRAM NAME: EAF-PWS-ID

DESCRIPTION AND USE: The unique identifier of a Public Water System within a state.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Numeric 0000001 - 9999999

EDIT CRITERIA:

If entered, must be on the Public Water Table - error code 409.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 444 *	**MNEMONIC NAME:** EA-STATE	**PROGRAM NAME:** EAF-PWS-STATE

DESCRIPTION AND USE: Represents the alphabetic postal state code of the state or trust territory which controls the Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any state or region code which has been defined on the Code Value Table. The Code Value Table may contain up to 66 such codes.

EDIT CRITERIA:

If entered, must be an acceptable code on the Code Value Table - error code 402.

ADDITIONAL COMMENTS:

* See Appendix A of this document

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 445	**MNEMONIC NAME:** EA-VIL-DAT	**PROGRAM NAME:** EAF-VIOLATION-DATE

DESCRIPTION AND USE: The date when a violation of regulations occured which is associated with the Enforcement Action.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

A valid Julian date or zero

EDIT CRITERIA:

If entered, must be numeric - error code 010.

If entered, must be a valid date - error code 033.

When adding a new violation group, this field must be present - error code 044.

ADDITIONAL COMMENTS:

The input date format is MMDDYY which is converted to the Julian format YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 446 *	**MNEMONIC NAME:** EA-CON-ID	**PROGRAM NAME:** EAF-CONTAMINANT-ID

DESCRIPTION AND USE: The 4 digit code for a contaminant associated with a violation of regulations.	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any code which has been defined on the Code Value Table. The Code Value Table may contain up to 200 such codes.

EDIT CRITERIA:

If entered, must be an acceptable code on the Code Value Table - error code 402.

If entered, must be numeric - error code 401.

ADDITIONAL COMMENTS:

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 447 *	**MNEMONIC NAME:** EA-VIOL-TP	**PROGRAM NAME:** EAF-VIOLATION-TYPE

DESCRIPTION AND USE: Represents the type of violation which occured.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any violation type which has been defined on the Code Value Table.

The Code Value Table may contain up to 10 such types.

EDIT CRITERIA:

When entering new violation information, must be an acceptable type on the Code Value Table - error code 014.

Only 10 unique violation groups (a group consists of violation type, contaminant ID and date), can be maintained on a record - error code 022.

If deleting or modifying a violation group, must match an existing violation group - error code 023.

ADDITIONAL COMMENTS:

* See Appendix A of this document

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 448	**MNEMONIC NAME:** EA-ABSTRAC	**PROGRAM NAME:** EAF-CASE-ABSTRACT

DESCRIPTION AND USE: A description of the Enforcement Actions case.	**DATA TYPE:** A/N **PICTURE:** X(30)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

There are ten such data element fields which can be used to describe the Enforcement Action.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 449	**MNEMONIC NAME:** EA-LEGALST	**PROGRAM NAME:** EAF-LEGAL-STATUS

DESCRIPTION AND USE:
Represents the legal status of an Enforcement Action case.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Any code which has been defined on the Code Value Table. The Code Value Table may contain up to 26 such codes.

EDIT CRITERIA:

If entered, must be an acceptable type on the Code Value Table - error code 402.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 450	**MNEMONIC NAME:** EA-LST-UP	**PROGRAM NAME:** EAF-LAST-UPDATE-DATE

DESCRIPTION AND USE: The date the Enforcement Actions case record was last modified.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

A valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 451	**MNEMONIC NAME:** EA-MISTONE	**PROGRAM NAME:** EAF-MILESTONE-NO

DESCRIPTION AND USE: The number of milestone groups associated with an Enforcement Action. A milestone group contains a milestone code, a target date and *	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

Numeric 00 - 15

EDIT CRITERIA:

ADDITIONAL COMMENTS:

* an attained date.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 452	**MNEMONIC NAME:** EA-TAR-DT	**PROGRAM NAME:** EAF-TARGET-DATE

DESCRIPTION AND USE: The date on which a specific milestone is to be completed.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

A valid Julian date or zero

EDIT CRITERIA:

If entered, must be numeric - error code 010.

If entered, must be a valid date - error 033.

When adding a new milestone, must be entered - error code 004.

ADDITIONAL COMMENTS:

The input date format is MMDDYY which is converted to the Julian format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/28 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
453	EA-ATT-DAT	EAF-MILESTONE-ATTAINED-DATE

DESCRIPTION AND USE: The date when a milestone was actually completed.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:						x			
OUTPUT OF:						x			

ACCEPTABLE VALUES:

A valid Julian date or zero

EDIT CRITERIA:

If entered, must be numeric - error code 401.

If entered, must be a valid date - error code 403.

ADDITIONAL COMMENTS:

The input date format is MMDDYY which is converted to the Julian format of YYDDD.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/28 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 454	**MNEMONIC NAME:** EA-MIL-COD	**PROGRAM NAME:** EAF-MILESTONE-CODE

DESCRIPTION AND USE: The code describing a milestone associated with an Enforcement Action.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						X			
OUTPUT OF:						X			

ACCEPTABLE VALUES:

Any code which has been defined on the Code Value Table. The Code Value Table may contain up to 26 such codes.

EDIT CRITERIA:

If adding a new milestone group, must be entered and must be an acceptable value on the Code Value Table - error code 014.

If deleting or modifying an existing milestone, must match an existing milestone group - error code 019.

Only 15 unique milestone groups, (a group consists of a milestone code, a target date and attained date) can be maintained on a record - error code 025.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 455	**MNEMONIC NAME:** VE-ID	**PROGRAM NAME:** VEF-ID

DESCRIPTION AND USE:
Used to identify a given Variance or Exemption

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any 5 character combination

EDIT CRITERIA:

1. In card '00', this VEF-ID must not be blank - error code 018
2. In card '00', this VEF-ID must not match any VEF-ID already on the file - error code 002
3. In other cards this VEF-ID must match a VEF-ID already on the file - error code 003

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 456	**MNEMONIC NAME:** VE-ID-REF	**PROGRAM NAME:** VEF-REVISED-ID-REFERENCE

DESCRIPTION AND USE: A reference to a previous Variance or Exemption if this one is a revised version

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any 5 character alphanumeric string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 457	**MNEMONIC NAME:** VE-PWS-ID	**PROGRAM NAME:** VEF-PWS-ID

DESCRIPTION AND USE: Used to identify a particular Public Water System (PWS) to which this Variance and Exemption record pertains.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

0000001 to 9999999

EDIT CRITERIA:

1. If creating a new record, this VEF-PWS-ID must be present - error code 018
2. If a value is entered, then it must match a current PWS-ID on the Public Water Table - error code 015

ADDITIONAL COMMENTS:

This data element must always contain a valid PWS-ID when adding a record.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 458	**MNEMONIC NAME:** VE-TYPE	**PROGRAM NAME:** VEF-VE-TYPE

DESCRIPTION AND USE:
Used to differentiate Variances from Exemptions

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

"V" for Variances
"E" for Exemptions

EDIT CRITERIA:

1. Must be "V" or "E" - error code 407

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 459	**MNEMONIC NAME:** VE-EFF-DT	**PROGRAM NAME:** VEF-EFFECTIVE-DATE

DESCRIPTION AND USE: The date in Julian mode that the Variance or Exemption became effective	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

All numeric in YYDDD format

EDIT CRITERIA:

1. Must be a valid date - error code 403

ADDITIONAL COMMENTS:

Dates are entered in calendar format, MMDDYY (month, day, year), and kept on the file in Julian format, YYDDD (year, day)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 460	**MNEMONIC NAME:** VE-EXP-DT	**PROGRAM NAME:** VEF-EXPIRATION-DATE

DESCRIPTION AND USE: The date that the described Variance or Exemption expires.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

All numeric is YYDDD format

EDIT CRITERIA:

1. Must be a valid date - error code 403
2. Must be later than VEF-EFFECTIVE-DATE - error code 407

ADDITIONAL COMMENTS:
Dates are entered in calendar format, MMDDYY (month, day, year), and kept on the file in Julian format, YYDDD (year, day).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 461	**MNEMONIC NAME:** VE-STATUS	**PROGRAM NAME:** VEF-STATUS-CODE

DESCRIPTION AND USE: A valid code from the Code Value Table describing the status of the Variance or Exemption.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any alphanumeric value. There will be a maximum of 20 such codes maintained on the Code Value Table.

EDIT CRITERIA:

If not blank, must match a status code in the Code Value Table - error code 402

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 462	**MNEMONIC NAME:** VE-CON-ID	**PROGRAM NAME:** VEF-CONTAMINANT-ID

DESCRIPTION AND USE: The ID of the contaminant for which the Variance or Exemption was assigned	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any 4 numeric characters. There will be a maximum of 200 such values maintained on the Code Value Table.

EDIT CRITERIA:

If not blank, then must match an entry in the Code Value Table - error code 402

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes*	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 463	**MNEMONIC NAME:** VE-MOD-MCL	**PROGRAM NAME:** VEF-MODIFIED-MCL

DESCRIPTION AND USE: The allowable maximum or minimum contaminant level assigned under this Variance or Exemption.	**DATA TYPE:** A/N **PICTURE:** X(5)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any numeric value

EDIT CRITERIA:

If not blank, must be numeric - error code 401

ADDITIONAL COMMENTS:

Empty if not applicable

* If empty, no warning is produced.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes*	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 464	**MNEMONIC NAME:** VE-MOD-DEC	**PROGRAM NAME:** VEF-MODIFIED-MCL-DEC

DESCRIPTION AND USE: This data element specifies the number of decimal places VE-MOD-MCL has.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any numeric value

EDIT CRITERIA:

If non-blank, must be numeric - error code 401

ADDITIONAL COMMENTS:

Empty if not applicable

* If empty, no warning is produced.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 465	**MNEMONIC NAME:** VE-TREAT	**PROGRAM NAME:** VEF-TREATMENT-CODE

DESCRIPTION AND USE: A code to describe the treatment for which the Variance or Exemption is applicable.	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any predefined 3 character alpha string. There will be a maximum of 20 such values maintained on the Code Value Table.

EDIT CRITERIA:

Must match a Treatment Code in the Code Value Table - error code 402

ADDITIONAL COMMENTS:
Empty if not applicable

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 466	**MNEMONIC NAME:** VE-ALT-TRT	**PROGRAM NAME:** VEF-ALTERNATE-TREATMENT

DESCRIPTION AND USE: A code to describe any alternate treatment process which may be substituted for VEF-TREATMENT-CODE.	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OFER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any predefined 3 character string. There will be a maximum of 20 such values maintained on the Code Value Table.

EDIT CRITERIA:

If non-blank, must match a code in the Code Value Table - error code 402.

ADDITIONAL COMMENTS:

Empty if not applicable

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 467	**MNEMONIC NAME:** VE-MOD-FRE	**PROGRAM NAME:** VEF-MODIFIED-FREQUENCY

DESCRIPTION AND USE: The Modified Sampling Frequency, expressed in months, of the subject contaminant	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

001 to 999

EDIT CRITERIA:

If non blank, must be 001-999 - error code 401

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1.	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 468	**MNEMONIC NAME:** VE-ABSTRAC	**PROGRAM NAME:** VEF-CASE-ABSTRACT

DESCRIPTION AND USE:
The Case Abstract of the Variance or Exemption. This field occurs 16 times.

DATA TYPE: A/N

PICTURE: X(30)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any sixteen 30 character alphanumeric strings

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 469	**MNEMONIC NAME:** VE-REASON	**PROGRAM NAME:** VEF-REASON-CODE

DESCRIPTION AND USE:
A code to indicate the reason the Variance or Exemption was granted

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any alphanumeric value. There will be a maximum of 26 such values maintained on the Code Value Table.

EDIT CRITERIA:

If non blank, must match a Reason Code in the Code Value Table - error code 402

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 470	**MNEMONIC NAME:** VE-LST-UP	**PROGRAM NAME:** VEF-LAST-UPDATE-DATE

DESCRIPTION AND USE: The date that this record was last updated	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

All numeric in YYDDD format

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Maintained on the file in Julian format (YYDDD), year, day.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 471	**MNEMONIC NAME:** VE-MISTONE	**PROGRAM NAME:** VEF-MILESTONE-NO

DESCRIPTION AND USE:
The number of milestones on the record

DATA TYPE: N

PICTURE: 9(2)

SOURCE(S):
Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

00 to 20

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 472	**MNEMONIC NAME:** VE-REPEAT	**PROGRAM NAME:** VEF-MILESTONE-REPEAT

DESCRIPTION AND USE: This field contains the number of months between repetitions of a repeating milestone. Zero denotes a non-repeating milestone.	**DATA TYPE:** N **PICTURE:** 9(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

00 - 99

EDIT CRITERIA:

1. Must be numeric - error code 401
2. If blank or in error, default to zero.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 473	**MNEMONIC NAME:** VE-TAR-DT	**PROGRAM NAME:** VEF-TARGET-DATE

DESCRIPTION AND USE: The date that the milestone should be reached	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):

Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

All numeric in YYDDD format

EDIT CRITERIA:

1. Must be a valid date - error code 403
2. Must be later than VEF-EFFECTIVE-DATE - error code 407

ADDITIONAL COMMENTS:

Dates are entered in calendar format, MMDDYY (month, day, year), and kept on file in Julian format, YYDDD (year, day).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 474	**MNEMONIC NAME:** VE-ATT-DT	**PROGRAM NAME:** VEF-MILESTONE-ATTAINED-DATE

DESCRIPTION AND USE: The date the milestone was actually attained	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S):

Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

All numeric in YYDDD format

EDIT CRITERIA:

1. Must be a valid date - error code 403
2. Must be less than or equal to the current date error code 407

ADDITIONAL COMMENTS:

Dates are entered in calendar format, MMDDYY (month, day, year), and kept on file in Julian format, YYDDD (year, day).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 475*	**MNEMONIC NAME:** VE-MIL-COD	**PROGRAM NAME:** VEF-MILESTONE-CODE

DESCRIPTION AND USE:
A code describing the type of milestone.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any predefined 2 character code. There will be a maximum of 40 such values on the Code Value Table.

EDIT CRITERIA:

1. If non blank, must match a valid code in the Code Value Table - error code 402.
2. If more than 20 milestones are entered, error code 025.
3. When adding a new milestone, the milestone code and its associated target date must not match an existing milestone code and target date, error code 028.
4. When changing or deleting an existing milestone, the milestone code and target date must match an existing milestone code and target date, error code 019.

ADDITIONAL COMMENTS:

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 476	**MNEMONIC NAME:** VE-DEL-CD	**PROGRAM NAME:** VEF-DELAY-CODE

DESCRIPTION AND USE: This field contains a code to explain the reason why a milestone has been delayed. There is also a code to denote a milestone deletion.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any alphanumeric value. There will be a maximum of 11 codes on the Code Value Table.

EDIT CRITERIA:

If non blank, must match a Delay Code in the Code Value Table - error code 402

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/12 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 477	**MNEMONIC NAME:** VE-MIL-ABS	**PROGRAM NAME:** VEF-MILESTONE-ABSTRACT

DESCRIPTION AND USE: The description of the Milestone. This field occurs 4 times.	**DATA TYPE:** A/N **PICTURE:** X(30)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:				x	x				
OUTPUT OF:					x				

ACCEPTABLE VALUES:

Any four 30 character alpha string.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 478	**MNEMONIC NAME:** OM-ADS-ID	**PROGRAM NAME:** OMF-ADDRESSEE-ID

DESCRIPTION AND USE: Identifies a unique Addressee on the Operator and Mailing File (OMF).	**DATA TYPE:** A/N **PICTURE:** X(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any 5 character alphanumeric string.

EDIT CRITERIA:

1. On card '00', this field must not be blank - error code 018.
2. On card '00', this field must not match any other Addressee ID already on the file - error code 002.
3. On other cards, this field must match an Addressee ID already on the file - error code 003.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 479	**MNEMONIC NAME:** OM-ADS-TYP	**PROGRAM NAME:** OMF-ADDRESSEE-TYPE

DESCRIPTION AND USE: A code describing the Type of Addressee on the Operator and Mailing File (OMF).	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any valid addressee type on the Code Value Table. There may be up to 26 values on the Code Value Table. The letter O and the number zero are reserved to mean operator.

EDIT CRITERIA:

If entered, must match an Addressee Type on the Code Value Table (CVT) - error code 402.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 480	**MNEMONIC NAME:** OM-ADS-NAM	**PROGRAM NAME:** OMF-ADDRESSEE-NAME

DESCRIPTION AND USE: This field contains the name of an Operator or other Addressee.	**DATA TYPE:** A/N **PICTURE:** X(30)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 481	**MNEMONIC NAME:** OM-ADS-STR	**PROGRAM NAME:** OMF-ADDRESSEE-STREET

DESCRIPTION AND USE: The Street Address of an Operator or other Addressee.	**DATA TYPE:** A/N **PICTURE:** X(30)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 482	**MNEMONIC NAME:** OM-ADS-CTY	**PROGRAM NAME:** OMF-ADDRESSEE-CITY

DESCRIPTION AND USE: The city of an Operator or other Addressee.	**DATA TYPE:** A/N **PICTURE:** X(30)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 483*	**MNEMONIC NAME:** OM-ADS-STA	**PROGRAM NAME:** OMF-ADDRESSEE-STATE

DESCRIPTION AND USE:
The Alphabetic Postal State Code of an Operator or other Addressee.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any valid Alphabetic State Code on the Code Value Table. There may be up to 66 such values.

EDIT CRITERIA:

1. Must be Alphabetic - error code 408
2. Must be contained on the Code Value Table - error code 402

ADDITIONAL COMMENTS:

* See Appendix A of this document

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 484	**MNEMONIC NAME:** OM-ADS-ZIP	**PROGRAM NAME:** OMF-ADDRESSEE-ZIP-CODE

DESCRIPTION AND USE:
The Postal Zip Code of an Operator or other Addressee.

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any valid 5 digit Zip Code

EDIT CRITERIA:

1. If entered, must be numeric - error code 401
2. If entered, must be greater than zero - error code 407

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 485	**MNEMONIC NAME:** OM-AREA-CD	**PROGRAM NAME:** OMF-AREA-CODE

DESCRIPTION AND USE: The Telephone Area Code of an Operator or other Addressee.	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any valid Telephone Area Code

EDIT CRITERIA:

1. If entered, must be numeric - error code 401
2. If entered, must be greater than zero - error code 408

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 486	**MNEMONIC NAME:** OM-PH-NUM	**PROGRAM NAME:** OMF-PHONE-NUMBER

DESCRIPTION AND USE: The Telephone Number of an Operator or other Addressee.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any 7 digit Telephone Number

EDIT CRITERIA:

1. If entered, must be numeric - error code 401
2. If entered, must be greater than zero - error code 407.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 487	**MNEMONIC NAME:** OM-LST-UPD	**PROGRAM NAME:** OMF-LAST-UPDATE-DATE

DESCRIPTION AND USE: The Julian date on which this record was last updated.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 488	**MNEMONIC NAME:** OM-CER-NUM	**PROGRAM NAME:** OMF-CERTIFICATE-NUMBER

DESCRIPTION AND USE: The number of the Certificate awarded to a Certified Operator of a Public Water System.	**DATA TYPE:** A/N **PICTURE:** X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 489	**MNEMONIC NAME:** OM-PWS-ID	**PROGRAM NAME:** OMF-PWS-ID

DESCRIPTION AND USE: A 7 digit number uniquely identifying a Public Water System associated with this Operator or other Addressee.	**DATA TYPE:** A/N **PICTURE:** X(7)

SOURCE(S): Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

If entered, must match a PWS-ID on the Public Water Table - error code 409.

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 490	**MNEMONIC NAME:** OM-OP-CLS	**PROGRAM NAME:** OMF-OPERATOR-CLASS

DESCRIPTION AND USE:
This field is repeated six times. Each occurance represents an Operator Class and the value entered represents a sub class.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

0 - 9 for each operator class (operator classes are A, B, C, D, E, and F)

EDIT CRITERIA:

If entered, must be numeric - error code 401

ADDITIONAL COMMENTS:

Acceptable sub classes may be defined by each state.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 491	**MNEMONIC NAME:** OM-RNL-DT	**PROGRAM NAME:** OMF-RENEWAL-DATE

DESCRIPTION AND USE:
The Date an Operator is due for recertification.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S):
Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:								x	

ACCEPTABLE VALUES:

A valid Julian date

EDIT CRITERIA:

1. If entered, must be numeric - error code 401
2. If entered, must be a valid date - error code 403

ADDITIONAL COMMENTS:
This value is input as MMDDYY and stored as YYDDD on the file.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 492	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-PWS-ID

DESCRIPTION AND USE:
Refers to the PWS-ID for a particular Variance, Exemption or Violation.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S):
Variances and Exemptions File (VEF) or Violations File (VIF).

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any seven digit numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 493	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-DEVIATION-TYPE

DESCRIPTION AND USE: Used to identify the type of Deviations File record.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

1. Violation
2. Variance
3. Exemption

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 494	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-DEVIATION-ID

DESCRIPTION AND USE:
Used to identify the unique ID for a particular Variance, Exemption or Violation

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Variances & Exemptions File (VEF) or Violations File (VIF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any 5 character alphanumeric string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

This is the VE-ID for a Variance or Exemption; the Violation I.D. for a Violation.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 495*	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-STATE-CODE

DESCRIPTION AND USE:
Used to identify the state monitoring the PWS

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any of the 66 two digit state, territory, or EPA Region codes contained on the Code Value Table.

EDIT CRITERIA:

Edited against values in the MS Code Value Table (CVT) and must be present.
If not present, the module which produces the DVF, FEDR020, is terminated.

ADDITIONAL COMMENTS:
*See Appendix A of this document

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 496	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-DEVIATION-CODE

DESCRIPTION AND USE: Used to identify Violation type or Variance or Exemption Reason Code	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S): Variances & Exemptions File (VEF) or Violations File (VIF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid violation type or reason code on the Code Value Table

EDIT CRITERIA:

ADDITIONAL COMMENTS:

This is the VE-REASON Code if from a Variance or Exemption or Violation-type if from a Violation.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 497	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-STATUS-CODE

DESCRIPTION AND USE: Used to identify the legal status of a Variance or Exemption	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Variances and Exemptions File (VEF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid legal statue code on the Code Value Table or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Only used for Variances or Exemptions - field should be blank for Violations.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 498	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-CONTAMINANT-ID

DESCRIPTION AND USE: Used to identify the contaminant ID for which a Variance or Exemption was granted or one where a Violation was detected.	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S): Variances & Exemption File (VEF) or Violation File (VIF)

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid contaminant ID on the Code Value Table.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 499	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-MODIFIED-MCL

DESCRIPTION AND USE:
The numeric part of the modified MCL granted for a Variance or Exemption or the MCL violated in a Violation

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Variances & Exemptions File (VEF) or Violations File (VIF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any 5 character numeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

May be blank if the Variance or Exemption was granted for something other than MCL (i.e. treatment)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 500	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-MODIFIED-MCL-DEC

DESCRIPTION AND USE:
Used to indicate the number of decimal places in the DVF-MODIFIED-MCL

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Variances & Exemptions File (VEF) or Violations Vile (VIF)

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Numeric from 0 - 9 or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

May be blank only if DVF-MODIFIED-MCL is also blank

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/8 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 501	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-TREATMENT-CODE

DESCRIPTION AND USE:
Used to identify the treatment for which a Variance or Exemption was granted.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S): Variances & Exemptions File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid treatment code on the Code Value Table or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Applicable only to Variances or Exemptions - is blank for Violations. May be blank also if the Variance or Exemption was granted from something other than treatments.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
11/8 1976	1	Yes	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
502		DVF-ALTERNATE-TREATMENT

DESCRIPTION AND USE:
Describe an alternative treatment which may be used in lieu of DVF-TREATMENT-CODE as a condition to a Variance or Exemption.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):
Variances & Exemptions File (VEF).

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid alternate treatment code on the Code Value Table or blank.

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Only applicable for Variances and Exemptions - is blank for Violations. May be blank also if the Variance or Exemption was granted from something other than treatments.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 503	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-MODIFIED-FREQUENCY

DESCRIPTION AND USE:
Used to describe an alternate monitoring frequency granted for a given Variance or Exemption or frequency violated for a violation.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):
Variances and Exemptions File (VEF) or Violations Vile (VIF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any 3 digit numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 504	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-EXPIRATION-VIOLATION-DATE

DESCRIPTION AND USE: Is the Julian Date for:

1. Variance or Exemption Expiration Date
2. Violation Date

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Variances & Exemptions File (VEF) or Violations File (VIF)

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid Julian Date.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 505	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-VIOLATION-DURATION

DESCRIPTION AND USE: It is the duration of a violation in months.	**DATA TYPE:** N **PICTURE:** 9(3)

SOURCE(S): Violations File (VIF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Numeric or zeros

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Applicable only to Violations - zeros for Variances and Exemptions.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 506	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-MILESTONE-CODE

DESCRIPTION AND USE: Used to identify the milestone which was not completed as of DVT-TARGET-DATE	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S): Variances & Exemptions File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid milestone code on the Code Value Table or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Only applicable to Variances and Exemptions - blank for violations. This is the earliest active milestone not attained preceding the end date of the reporting period.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 507	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-TARGET-DATE

DESCRIPTION AND USE:
The date on which a milestone, DVF-MILESTONE-CODE, was to have been attained.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Variances & Exemptions File (VEF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid Julian Date or zeros.

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Only applicable to Variances and Exemptions and is the earliest active target date not attained preceeding the end date of the reporting period. If this condition does not occur, is zero.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 508	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-LAB-OWNER-TYPE

DESCRIPTION AND USE: Code to identify the type of owner of a particular laboratory.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S):
Violation File (VIF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid lab owner type on the Code Value Table or blank.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Applicable only to Violations - blank for Variances and Exemptions.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 509	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-ANALYSIS-METHOD

DESCRIPTION AND USE: Code used to describe the particular analysis method relating to a violation.	**DATA TYPE:** A/N **PICTURE:** X(3)

SOURCE(S): Violations File (VIF)

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Any valid analysis method on the Code Value Table or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Applicable only to violations - blank for Variances and Exemptions.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 510	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-ANALYSIS-RESULT

DESCRIPTION AND USE: The numeric part of an analysis showing concentration of a particular contaminant.

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Violations File (VIF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Numeric or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Applicable only to Violations - blank for Variances and Exemptions.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 12/9 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 511	**MNEMONIC NAME:**	**PROGRAM NAME:** DVF-ANALYSIS-DECIMAL

DESCRIPTION AND USE: Used to indicated the number of decimal places in DVF-ANALYSIS-RESULT	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Violations File (VIF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:				x					

ACCEPTABLE VALUES:

Numeric from 0 - 9 or blank

EDIT CRITERIA:

ADDITIONAL COMMENTS:

May be blank only if DVF-ANALYSIS-RESULT is also blank.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 512	**MNEMONIC NAME:**	**PROGRAM NAME:** LBT-HDR-RECORDS-ON-FILE

DESCRIPTION AND USE:
The total number of records on the Laboratory Table. This data is used to facilitate access of a desired LBT record using a binary search.

DATA TYPE: N

PICTURE: 9(6)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 513	**MNEMONIC NAME:**	**PROGRAM NAME:** LBT-HDR-RELATIVE-RECORD

DESCRIPTION AND USE:
Used to specify the number of records that can be contained on one track. This is used in the LBT access routine.

DATA TYPE: N

PICTURE: 9(6)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 514	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-HEADER-NO-OF-RECORDS

DESCRIPTION AND USE: The total number of records on the Public Water Table. This data is used to facilitate access of a desired PWT record using a binary search.

DATA TYPE: N

PICTURE: 9(7)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 515	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-HEADER-RECS-PER-TRK

DESCRIPTION AND USE:
Used to specify the number of records that can be contained on one track. This is used in the PWT access routine.

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S):
Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 516	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-PWS-ID

DESCRIPTION AND USE:
The unique Public Water System (PWS) Identification number of the Compliance Status File (CSF) record.

DATA TYPE: A/N

PICTURE: X(7)

SOURCE(S):
Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 517*	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-CONTAMINANT-ID

DESCRIPTION AND USE: The Contaminant Identification Code of the Compliance Status File (CSF) record.	**DATA TYPE:** A/N **PICTURE:** X(4)

SOURCE(S):

Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Obtained from the State Regulations.

* See Appendix A of this document.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 518	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-SDF-RSPD-START

DESCRIPTION AND USE: The Start Date of the Federal Regular Sampling Period.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 519

MNEMONIC NAME:

PROGRAM NAME: CSF-SDF-RSPD-END

DESCRIPTION AND USE: The ending Date of the Federal Regular Sampling Period.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977

VERSION: 1

REQUESTED BY EPA TO BE REPORTED ANNUALLY: No

MANDATED FOR MSIS PROCESSING REQUIREMENTS: Yes

DATA ELEMENT

CATALOGUE NO.: 520

MNEMONIC NAME:

PROGRAM NAME: CSF-SDF-CSPD-START

DESCRIPTION AND USE: The Start Date of the Federal Check Sampling Period.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
3/15 1977	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
521		CSF-SDF-CSPD-END

DESCRIPTION AND USE:
The Ending Date of the Federal Check Sampling Period.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 522	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-SDS-RSPD-START

DESCRIPTION AND USE: The Start Date of the Start Regular Sampling Period.	**DATA TYPE:** N
	PICTURE: 9(5)

SOURCE(S):

Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero.

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 523	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-SDS-RSPD-END

DESCRIPTION AND USE: The Ending Date of the State Regular Sampling Period.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 524	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-SDS-CSPD-START

DESCRIPTION AND USE: The Start Date of the State Check Sampling Period.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 525	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-SDS-CSPD-END

DESCRIPTION AND USE: The ending Date of the State Check Sampling Period.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 526	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-VE-START-DATE

DESCRIPTION AND USE: The starting Date of a Variance or Exemption	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Zero - no Variance or Exemption in effect.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 527	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-VE-END-DATE

DESCRIPTION AND USE:
The Ending Date of a Variance or Exemption

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Zero - if SAF-VE-START-DATE is greater than zero, the Variance or Exemption is still in effect. If SAF-VE-START-DATE is zero, no Variance or Exemption is in effect.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 528	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-VE-MOD-MCL

DESCRIPTION AND USE:
The modified MCL resulting from a Variance or Exemption.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated from PWF

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Zero - if CSF-VE-ALT-SPLG also is zero, then no sampling is required. If CSF-VE-ALT-SPLG is greater than zero, no modified MCL is in effect.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 529	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-VE-ALT-SPLG

DESCRIPTION AND USE: The Alternate Sampling frequency resulting from a Variance or Exemption, expressed in months.	**DATA TYPE:** N
	PICTURE: 9(3)

SOURCE(S):
Internally generated from PWF

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Greater than zero - the Alternate Sampling frequency of a variance.
Zero - no Alternate Sampling frequency is in effect.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT.

CATALOGUE NO.: 530	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-SCHED-START-DATE

DESCRIPTION AND USE: The start date of the last sampling period scheduled

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Zero - sampling has not been scheduled

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 531	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-SCHED-END-DATE

DESCRIPTION AND USE: The end date of the last sampling period scheduled.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Zero - sampling has not been scheduled.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 3/15 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 532	**MNEMONIC NAME:**	**PROGRAM NAME:** CSF-SCHED-NUM-SAMPLES

DESCRIPTION AND USE:
The number of samples that were scheduled during the last sampling

DATA TYPE: N

PICTURE: 9(3)

SOURCE(S):
Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Zero - sampling has not been scheduled

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 701	**MNEMONIC NAME:** PW-PL-COIN	**PROGRAM NAME:** PWF-PLANT-CONSEC-INDICATOR

DESCRIPTION AND USE: Represents a code indicating if a Public Water System is a consecutive water system and, if so, whether the PWS is required to monitor its water.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Input Form

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

0 = No, PWS is not consecutive
1 = Yes, PWS is consecutive and not required to monitor water
2 = Yes, PWS is consecutive and is required to monitor water

EDIT CRITERIA:

If entered, must be '0', '1', '2' - error code 407.

If in error, default to '0'.

ADDITIONAL COMMENTS:
See Section 141.29 of the National Interim Primary Drinking Water Regulations, Part IV.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/16 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 702*	**MNEMONIC NAME:** PW-S-FATY2	**PROGRAM NAME:** PWF-STATE-NUCLEAR-FAC-TYPE2

DESCRIPTION AND USE: Represents a code describing the type of nuclear facility whose radioactive effluents are contaminating the Public Water System.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Input Form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x		x	x			x		
OUTPUT OF:	x			x					

ACCEPTABLE VALUES:

Any valid alphanumeric nuclear facility code on the Code Value Table.

Allow for 5 values on the Code Value Table.

EDIT CRITERIA:

If entered, must be on the Code Value Table - error code 402

ADDITIONAL COMMENTS:

* See Appendix A of this document

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/76	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 703	**MNEMONIC NAME:**	**PROGRAM NAME:** PWT-PLANT-SOURCE-CODE

DESCRIPTION AND USE:
Represents a code which identifies the type of water source.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Public Water File (PWF)

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x		x	x		x	
OUTPUT OF:	x								

ACCEPTABLE VALUES:

S = Surface Water

G = Ground Water

EDIT CRITERIA:

Internally generated, no edit

ADDITIONAL COMMENTS:
If any of the 15 sources of water contained on the Public Water File indicate a surface source (source code 'S' or 'P') this data element's value will be 'S'. Otherwise, this data element's value will be 'G'.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:

DESCRIPTION AND USE:	DATA TYPE: PICTURE:

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:									

ACCEPTABLE VALUES:

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:

VERSION:

REQUESTED BY EPA TO BE REPORTED ANNUALLY:

MANDATED FOR MSIS PROCESSING REQUIREMENTS:

DATA ELEMENT

CATALOGUE NO.:

MNEMONIC NAME:

PROGRAM NAME:

DESCRIPTION AND USE:

DATA TYPE:

PICTURE:

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:									

ACCEPTABLE VALUES:

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 800	**MNEMONIC NAME:** VI-DT-RPT	**PROGRAM NAME:** VIF-DATE-LAST-REPORT

DESCRIPTION AND USE:
Represents the date on which the last monthly operation report was submitted.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date or zero

EDIT CRITERIA:

Normal processing - internally generated, no edit.
All manual transactions (if entered):

Must be a valid date - error code 403
Must be numeric - error code 401

ADDITIONAL COMMENTS:

Of file - format of YYddd - 9(5) -(Julian)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 801

MNEMONIC NAME: VI-LST-RPT

PROGRAM NAME: VIF-TIME-SINCE-LAST-REPORT

DESCRIPTION AND USE: Represents the number of months since the last monthly operation report was submitted.

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

Normal processing - internally generated, no edit.
All manual transactions (if entered):

Must be numeric - error code 401

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 802	**MNEMONIC NAME:** VI-LAB-OWN	**PROGRAM NAME:** VIF-LAB-OWNER-TYPE

DESCRIPTION AND USE:
Represents the owner type code of the Laboratory analyzing the sample(s) causing the violation.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S):
Laboratory Table

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid lab owner on Code Value Table

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Obtained from the Laboratory Table.
Not necessary for Turbidity violations.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** Yes	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 803	**MNEMONIC NAME:** VI-VIOL-ID	**PROGRAM NAME:** VIF-VIOLATION-ID

DESCRIPTION AND USE: Represents a unique 5 digit identifier of a record on the violations file (VIF).

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Input form or internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric - 00001 to 99999

EDIT CRITERIA:

Normal processing - internally generated, no edit.
Manual addition, update or delete transactions:

Must be numeric - error code 010
Must be greater than zero - error code 003
When updating or deleting, must be on VIF - error code 003
Must be less than 10000 on manual additions - error code 012
When creating a record, must not be on the VIF - error code 002

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 804	**MNEMONIC NAME:** VI-LSTUPDT	**PROGRAM NAME:** VIF-LAST-UPDATE

DESCRIPTION AND USE:
The date on which this Violations File (VIF) record was last updated.

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

Internally generated, no edit

ADDITIONAL COMMENTS:

On file - format of YYddd - 9(5) (Julian)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 805	**MNEMONIC NAME:** VI-REMARKS	**PROGRAM NAME:** VIF-REMARKS

DESCRIPTION AND USE: Represents additional information pertaining to a violation.	**DATA TYPE:** A/N **PICTURE:** X(25)

SOURCE(S): Input form

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any alphanumeric character string

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 806	**MNEMONIC NAME:** VI-MCLVSSD	**PROGRAM NAME:** VIF-MCL-VIOL-SAMPL-START-DATE

DESCRIPTION AND USE: Represents the actual date on which a violation was confirmed

DATA TYPE: N

PICTURE: 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x	x			x		
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 807	**MNEMONIC NAME:** SA-REGION	**PROGRAM NAME:** SAF-R-REGION

DESCRIPTION AND USE:
The Region Code of the PWS for which the sample was taken

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Public Water File

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid region code on the Code Value Table

EDIT CRITERIA:

ADDITIONAL COMMENTS:
Data Element is copied from the Public Water File (PWF).

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 808	**MNEMONIC NAME:** SA-DISTRIC	**PROGRAM NAME:** SAF-R-DISTRICT

DESCRIPTION AND USE: The district code of the PWS for which the sample was taken

DATA TYPE: A/N

PICTURE: X(2)

SOURCE(S): Public Water File

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid district code on the Code Value Table

EDIT CRITERIA:

ADDITIONAL COMMENTS:

Data Element is from the Public Water File (PWF)

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
2/4 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.: 809

MNEMONIC NAME: SA-MCLVFDC

PROGRAM NAME: SAF-MCL-VIOL-F-DECIMALS

DESCRIPTION AND USE: If the sample is in violation of Federal MCL, this field contains the number of decimal places in SAF-MCL-VIOL-F-VALUE

DATA TYPE: N

PICTURE: 9(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

If SAF-MCL-VIOL-F-VALUE = 0, this field is 0
If SAF-MCL-VIOL-F-VALUE greater than 0, this field may be 0 or greater.

EDIT CRITERIA:

None - Internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/4 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 810	**MNEMONIC NAME:** SA-MCLVSVL	**PROGRAM NAME:** SAF-MCL-VIOL-S-VALUE

DESCRIPTION AND USE: If the sample is in violation of State MCL, this field contains the MCL value violated.	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Zero - if not in State MCL violation
Postive Number - if in State MCL violation

EDIT CRITERIA:

None - internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/4 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 811	**MNEMONIC NAME:** SA-MCLVSDC	**PROGRAM NAME:** SAF-MCL-VIOL-S-DECIMALS

DESCRIPTION AND USE: If the sample is in violation of State MCL, this field contains the number of decimal places in SAF-MCL-VIOL-S-VALUE	**DATA TYPE:** N **PICTURE:** 9(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

If SAF-MCL-VIOL-S-VALUE = 0, this field is 0
If SAF-MCL-VIOL-S-VALUE greater than 0, this field may be 0 or greater.

EDIT CRITERIA:

None - Internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/25 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 812	**MNEMONIC NAME:** SA-MCLVSSD	**PROGRAM NAME:** SAF-MCL-VIOL-SAMPLE-START-DATE

DESCRIPTION AND USE: Start of sampling period while PWS is under MCL violation	**DATA TYPE:** N **PICTURE:** 9(5)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Julian date

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/4 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 813	**MNEMONIC NAME:** SA-FL-FUFC	**PROGRAM NAME:** SAF-FL-FED-USED-FOR-COMP

DESCRIPTION AND USE: A flag used in compliance to indicate for what purposes the sample has already been used for Federal Regs compliance.	**DATA TYPE:** A/N **PICTURE:** X(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

'␢' - not yet processed in compliance
'M' - already processed for MCL violations
'S' - already processed for sampling violations
'B' - already processed for MCL and Sampling violations

EDIT CRITERIA:

None - Internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/4 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 814	**MNEMONIC NAME:** SA-FL-SUFC	**PROGRAM NAME:** SAF-FL-STATE-USED-FOR-COMP

DESCRIPTION AND USE: A flag used in compliance to indicate for what purpose the sample has already been used for State Regs compliance.	**DATA TYPE:** A/N
	PICTURE: X(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

'ƀ' - not yet processed in compliance
'M' - already processed for MCL violations
'S' - already processed for Sampling violations
'B' - already processed for MCL and Sampling violations

EDIT CRITERIA:

None - internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 815	**MNEMONIC NAME:** SA-F-SSC	**PROGRAM NAME:** SAF-FED-SSC

DESCRIPTION AND USE:
Indicates the Federal Stored Sample Code (SSC) used in compliance processing

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

1 - Regular Distribution Sample
2 - Additional Analysis Sample
3 - Check Sample
4 - Extra or Special Sample
5 - Exempted Contaminant Sample
8 - Dummy Sample
9 - PWS Excluded Sample

EDIT CRITERIA:

None - Internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 2/21 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 816	**MNEMONIC NAME:** SA-S-SSC	**PROGRAM NAME:** SAF-STATE-SSC

DESCRIPTION AND USE: Indicated the State Stored Sample Code (SSC) used in complinace processing.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

1 - Regular Distribution Sample
2 - Additional Analysis Sample
3 - Check Sample
4 - Extra or Special Sample
5 - Exempted Contaminant Sample
8 - Dummy Sample
9 - PWS Excluded Sample

EDIT CRITERIA:

None - Internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 817	**MNEMONIC NAME:** PS-TRAN-CD	**PROGRAM NAME:** PSF-TRANSACTION-CODE

DESCRIPTION AND USE: The transaction code on the input transaction when creating the record. Used on the Transaction Report.	**DATA TYPE:** A/N **PICTURE:** X(2)

SOURCE(S):

Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

'01', '03', '05', or '07'

EDIT CRITERIA:

None - Internally Generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 818	**MNEMONIC NAME:** PS-ERR-IND	**PROGRAM NAME:** PSF-ERROR-INDICATOR

DESCRIPTION AND USE: Used in producing the Transactions Report as an indication of whether or not the input transaction was in error.

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Internally generated

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

'*' or blank

EDIT CRITERIA:

None - Internally generated

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 11/2 1976	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 819	**MNEMONIC NAME:** PS-LAB-OWN	**PROGRAM NAME:** PSF-LAB-OWNER-TYPE

DESCRIPTION AND USE:
Represent the Owner Type classification of the Laboratory analyzing the sample

DATA TYPE: A/N

PICTURE: X(1)

SOURCE(S): Internally generated from the Laboratory Table.

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Any valid Lab Owner Type in the Laboratory Table

EDIT CRITERIA:

None - Internally generated from the Laboratory Table

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
10/25 1976	1	No	Yes*

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
820	LB-METHOD	LBT-ANALYSIS-METHOD

DESCRIPTION AND USE:
Represents the Analysis Method code for a particular method of analyzing water samples.

DATA TYPE: A/N

PICTURE: X(3)

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric if not blank

* Must be at least one valid analysis method code per LBT record

EDIT CRITERIA:

1. If not blank
   a. Numeric - error code 010
   b. Greater than zero - error code 013
   c. On the Code Value Table - error code 014
2. If all blank - error code 004

ADDITIONAL COMMENTS:

Occurs 24 times (maximum) on each LBT record.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
3/15/1977	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
821		CSF-VE-MOD-MCL-DEC

DESCRIPTION AND USE:

The decimal places in the modified MCl resulting *

DATA TYPE: N

PICTURE: 9 (1)

SOURCE(S): Internally generated from PWF

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			X						
OUTPUT OF:			X						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

ADDITIONAL COMMENTS:

*from a variance or exemption.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	**VERSION:**	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:**	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:**

DATA ELEMENT

CATALOGUE NO.:	**MNEMONIC NAME:**	**PROGRAM NAME:**

DESCRIPTION AND USE:

DATA TYPE:

PICTURE:

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:									
OUTPUT OF:									

ACCEPTABLE VALUES:

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:

DESCRIPTION AND USE:	DATA TYPE:
	PICTURE:

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:									

ACCEPTABLE VALUES:

EDIT CRITERIA:

ADDITIONAL COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 900	**MNEMONIC NAME:** PS-SMPLTP	**PROGRAM NAME:** PSF-SAMPLE-TYPE

DESCRIPTION AND USE:
Represents the type of sample collected. See Codes below.

DATA TYPE: A

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

C, D, P, R, or S - as shown below

EDIT CRITERIA:

Must be one of the following: - all error code 011

C - Check sample

D - Regular Distribution System Sample

P - Plant Tap Sample

R - Raw Water Sample

S - Special Sample

ADDITIONAL COMMENTS:
This is the same as PS-SAMPLTP, however, it is in a different place on the Input Form; therefore, it required a unique name and catalogue number so that it could be processed correctly.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
5/6 1977	1	No	Yes

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
901	PS-SMPLDT	PSF-SAMPLE-DATE

DESCRIPTION AND USE:
The date on which the sample was taken

DATA TYPE: Numeric

PICTURE: 9(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Valid Date

EDIT CRITERIA:

1. Numeric - error code 010
2. Valid Date - error code 011
3. Not greater than processing date - error code 012

ADDITIONAL COMMENTS:
For summary type records, this field is the date of the last sample taken. On Input - MMDDYY - X(6); on file - YYddd (Julian) 9(5). This is the same as PS-SAMPLDT, however, it is in a different position on the input form, and therefore it required a unique name and catalogue number so that it could be processed correctly.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** Yes

DATA ELEMENT

CATALOGUE NO.: 902	**MNEMONIC NAME:** PS-LB-ID	**PROGRAM NAME:** PSF-LAB-ID

DESCRIPTION AND USE: The ID code of the Laboratory processing the sample

DATA TYPE: A/N

PICTURE: X(5)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:			x						

ACCEPTABLE VALUES:

Numeric

EDIT CRITERIA:

1. Numeric - error code 010
2. Greater than zero - error code 013
3. On the Lab Table (LBT) with an expiration date greater than the analysis date - error code 011

ADDITIONAL COMMENTS: On summary type records, this field is the ID code of the lab processing the most samples on a particular summary. This field is the same as PS-LAB-ID, the difference being the position on the record, and therefore it required a unique name and catalogue number so that it could be processed correctly.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 903	**MNEMONIC NAME:** OM-TRAN-CD	**PROGRAM NAME:** OMF-TRAN-CODE01

DESCRIPTION AND USE: Transaction code from input form, which is used to identify what type of transaction is being processed.

DATA TYPE: A

PICTURE: X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:								X	
OUTPUT OF:									

ACCEPTABLE VALUES:

For operator and mailing acceptable transaction codes are 00 - 03, and 99

EDIT CRITERIA:

Must be 00 - 03 or 99 - error code 017

ADDITIONAL COMMENTS:

Once the transaction code is used it is not retained for future use on the Operator and Mailing File.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 904	**MNEMONIC NAME:** EA-TRAN-CD	**PROGRAM NAME:** EAFI-ADD-DEL-REQ-TRAN-CODE

DESCRIPTION AND USE: Transaction code from the input form; is not retained.	**DATA TYPE:** A **PICTURE:** X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAOC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:									

ACCEPTABLE VALUES:

For enforcement actions 00 - 15, 98 and 99 are acceptable

EDIT CRITERIA:

Edits field for values 00 - 15, 98 or 99
Error code 020 for transaction 99
Error code 021 for transaction 00
Error code 024 for transaction 98
Error code 017 for others

ADDITIONAL COMMENTS:
Once the transaction code is used, it is not saved for future use

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:	VERSION:	REQUESTED BY EPA TO BE REPORTED ANNUALLY:	MANDATED FOR MSIS PROCESSING REQUIREMENTS:
5/6 1977	1	No	No

DATA ELEMENT

CATALOGUE NO.:	MNEMONIC NAME:	PROGRAM NAME:
905	VE-TRAN-CD	VEFI-TRAN-CODE00

DESCRIPTION AND USE: Transaction code from the input form, is not retained

DATA TYPE: A

PICTURE: X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:					x				
OUTPUT OF:									

ACCEPTABLE VALUES:

For Variances and Exemptions - 00 - 09 and 20 - 25 are acceptable

EDIT CRITERIA:

Edit field for 00 - 09 or 20 - 25
Error code 017 is used

ADDITIONAL COMMENTS:

Once the transaction code is used, it is not saved for future use

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 906	**MNEMONIC NAME:** PW-TRAN-CD	**PROGRAM NAME:** PWFI-TRAN-CODE0-98-99

DESCRIPTION AND USE: Transaction code from the input form, is not retained	**DATA TYPE:** A **PICTURE:** X(2)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x								
OUTPUT OF:									

ACCEPTABLE VALUES:

For public water 00 - 16, 98, and 99 are acceptable

EDIT CRITERIA:

Edit field for 00 - 16, 98 or 99
Error code 020 for transaction 99
Error code 021 for tran code 80
Error code 024 for tran code 98
Error code 026 for tran code 14, 16
Error code 017 for tran code 01 - 13, 15

ADDITIONAL COMMENTS:
Once the transaction code is used, it is not save for future use.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 907	**MNEMONIC NAME:** EA-CRDT-CD	**PROGRAM NAME:** EAFI-ADD-DEL-REQ-DECISION

DESCRIPTION AND USE: Input card code, is not retained	**DATA TYPE:** A **PICTURE:** X(1)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:									

ACCEPTABLE VALUES:

For enforcement actions if the card code is 00, 98, or 99 it must be 'Y'

EDIT CRITERIA:

Edit for 'Y'
Error code 017

ADDITIONAL COMMENTS:

Once the transaction code is used, it is not retained.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 908	**MNEMONIC NAME:** OM-CRDT-CD	**PROGRAM NAME:** OMFI-CREATE-DELE-FLAG

DESCRIPTION AND USE: Input card code, is not retained	**DATA TYPE:** A
	PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:								x	
OUTPUT OF:									

ACCEPTABLE VALUES:

For operator and mailing if card code is 00 or 99, must be 'Y'

EDIT CRITERIA:

Edit for 'Y'
Error code 017

ADDITIONAL COMMENTS:

Once the transaction code is used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 909	**MNEMONIC NAME:** VE-CRDT-CD	**PROGRAM NAME:** VEFI-CREATE-DELE-FLAG

DESCRIPTION AND USE: Input card code, is not retained	**DATA TYPE:** A **PICTURE:** X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:					x				
OUTPUT OF:									

ACCEPTABLE VALUES:

For variances and exemptions if the card code is 00 or 99 it must be 'Y'

EDIT CRITERIA:

Edit for 'Y'
Error code 017

ADDITIONAL COMMENTS:

Once the transaction code is used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 910	**MNEMONIC NAME:** PW-CRDT-CD	**PROGRAM NAME:** PWFI-TRAN-CHECK

DESCRIPTION AND USE:
Input card code, is not retained

DATA TYPE: A

PICTURE: X(1)

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	x								
OUTPUT OF:									

ACCEPTABLE VALUES:

For public water if card code is 98 or 99 must be 'Y'

EDIT CRITERIA:

Edit for 'Y'
Error code 020 for 99
Error code 021 for 00

ADDITIONAL COMMENTS:

Once the create/delete code is used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 911	**MNEMONIC NAME:** EA-DEL-CD	**PROGRAM NAME:** EAFI-DELETE-CODE

DESCRIPTION AND USE:
Input card code for deleting, is not retained

DATA TYPE: A

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:						x			
OUTPUT OF:									

ACCEPTABLE VALUES:

A 'Y' for yes is acceptable to indicate deletion of this violation

EDIT CRITERIA:

Edit for a blank on 'Y'
Error code 020 for tran code 99
Error code 021 for tran code 00
Error code 024 for tran code 98

ADDITIONAL COMMENTS:

Once the transaction code is used, it is not retained for future use

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 912	**MNEMONIC NAME:** PW-OCCUR1	**PROGRAM NAME:** PWFI-TRAN-CHECK

DESCRIPTION AND USE:
Input card code, is not retained

DATA TYPE: A

PICTURE: X(1)

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAOC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:	X								
OUTPUT OF:									

ACCEPTABLE VALUES:

For public water if the card code is 00, or 99 must be 'Y'

EDIT CRITERIA:

Edit for 'Y'
Error code 020 for tran code 99
Error code 021 for tran code 00
Error code 024 for tran code 98

ADDITIONAL COMMENTS:

Once the code is used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 913	**MNEMONIC NAME:** PW-OCCUR2	**PROGRAM NAME:** PWFI-TRAN-CODE0-98-99

DESCRIPTION AND USE: Transaction code from the input form, is not retained	**DATA TYPE:** A **PICTURE:** X(2)

SOURCE(S):

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:	x								
OUTPUT OF:									

ACCEPTABLE VALUES:

For public water acceptable values are 00 - 16, 98 and 99

EDIT CRITERIA:

Edit for the above values
Error code 017 for tran code not valid

ADDITIONAL COMMENTS:

Once the transaction code is used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 914	**MNEMONIC NAME:** TRAN-CODE	**PROGRAM NAME:** RGI-CHM1-CARD-CODE

DESCRIPTION AND USE:
Transaction code from the input form, is not retained

DATA TYPE: A

PICTURE: X(2)

SOURCE(S): Input forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:		x	x						
OUTPUT OF:									

ACCEPTABLE VALUES:

Acceptable values for Regulations are C1, C2, B1, A1, M1, T1
Acceptable values for WAQC are L1, L2

EDIT CRITERIA:

Must be one of the above
Error code 017 for invalid card code

ADDITIONAL COMMENTS:
Once the transaction code is used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 915	**MNEMONIC NAME:** VI-TRAN-CD	**PROGRAM NAME:** VIFI-TR00-TRANSACTION-CODE

DESCRIPTION AND USE: Transaction code from the input form, is not retained	**DATA TYPE:** A **PICTURE:** X(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:									

ACCEPTABLE VALUES:

For violations - acceptable values are 00, 01, 02 and 99

EDIT CRITERIA:

Edit for 00 - 02, or 99
Error code 017 for invalid trans code

ADDITIONAL COMMENTS:

Once the transaction code is used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 916	**MNEMONIC NAME:** VI-CRDT-CD	**PROGRAM NAME:** VIFI-TR00-CREATE-DELETE-FLAG

DESCRIPTION AND USE:
Input card code, is not retained

DATA TYPE: A

PICTURE: X(1)

SOURCE(S): Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:									

ACCEPTABLE VALUES:

For violations if the card code is 00 or 99, this field must be 'Y'

EDIT CRITERIA:

Edit for 'Y'
Error code 020 for trans 99
Error code 021 for trans 00
Error code 024 for trans 98
Error code 017 for others

ADDITIONAL COMMENTS:
Once the create/delete code has been used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 5/6 1977	**VERSION:** 1	**REQUESTED BY EPA TO BE REPORTED ANNUALLY:** No	**MANDATED FOR MSIS PROCESSING REQUIREMENTS:** No

DATA ELEMENT

CATALOGUE NO.: 917	**MNEMONIC NAME:** SA-TRAN-CD	**PROGRAM NAME:** SAFI-S-TRANSACTION-CODE

DESCRIPTION AND USE: Transaction code from the input form, is not retained	**DATA TYPE:** A **PICTURE:** X(2)

SOURCE(S):
Input Forms

SUBSYSTEMS:	**PWSI**	**REGS**	**WAQC**	**FEDR**	**VAEX**	**ENAC**	**SRVY**	**OPER**	**MSIS**
INPUT TO:			x						
OUTPUT OF:									

ACCEPTABLE VALUES:

For sample analysis acceptable values are 05, 03, and 07

EDIT CRITERIA:

Edit field for 03, 05 or 07
Error code 017 for invalid trans code

ADDITIONAL COMMENTS:
Once the transaction code is used, it is not retained

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE:

VERSION:

REQUESTED BY EPA TO BE REPORTED ANNUALLY:

MANDATED FOR MSIS PROCESSING REQUIREMENTS:

DATA ELEMENT

CATALOGUE NO.:

MNEMONIC NAME:

PROGRAM NAME:

DESCRIPTION AND USE:

DATA TYPE:

PICTURE:

SOURCE(S):

SUBSYSTEMS:	PWSI	REGS	WAQC	FEDR	VAEX	ENAC	SRVY	OPER	MSIS
INPUT TO:									
OUTPUT OF:									

ACCEPTABLE VALUES:

EDIT CRITERIA:

ADDITIONAL COMMENTS:

VI. APPENDICES

A. Common Data Elements

There are five (5) data elements which occur in various files. Although the record definitions and Data Element Dictionary may reflect numerous catalogue numbers they are all edited using one catalogue number and one Code Value Table called the 'MS' Code Value Table. This 'MS' Code Value Table contains the acceptable values for all these common data elements. It is used by all subsystems which contain these data elements. The five data elements and their processing catalogue numbers are:

Contaminant ID	001
Nuclear Facility Type Code	082
State Code	149
Violation Type Code	343
Milestone Code	454

These data elements are noted with an "*" in the indeces of this manual.

B. Code Value Tables

Table of Contents

Page

Description.. 1

CVT File Identifications.................................. 2

List of Codes

By Catalogue Number................................ 3
By File ID.. 4
Requested to be Reported to EPA.................... 5

Detailed Description of Codes

Description

The Model State Information System provides the capability whereby a number of data elements have their acceptable values predefined by EPA or defined by the State. In order to maintain the greatest flexibility in these cases, the acceptable values are stored on Code Value Tables.

Where EPA has identified a data element as mandatory for federal reporting purposes, a predefined list of values are provided which must be utilized. Where EPA has not identified a data element as mandatory for federal reporting purposes, lists of potential descriptions relative to the data element have been provided where possible. However, it is the responsibility of the State to select which portion of a list should be used and what letter or number is to be used to represent the selected items from that list. As an example, the Contaminant Identification code, catalogue number 001, is required for Federal reporting purposes. Therefore, a list of contaminants, each having a predefined number assigned, is provided. On the other hand, the Laboratory Owner Type code, catalogue number 321, is not required for Federal reporting purposes. A list of potential types of laboratories is provided. Which laboratory types are chosen to be used by the State as well as what codes are assigned to the selected laboratory types are left to the discretion of the State.

If it becomes necessary to have additional values assigned for a data element required for Federal reporting purposes, the U.S. EPA, Office of Water Supply should be contacted for value assignment.

The remainder of this appendix contains detailed information regarding the specific codes for which the acceptable values are contained on a Code Value Table (CVT). Information such as the code name, catalogue number, CVT on which the data element is contained, maximum number of values, etc. are provided for each.

Note: Due to the possibility of data entry and keypunch errors, it is suggested that when the alphabetic characters O, I, or Z are utilized, that the number 0 be assigned the same meaning as the letter O, the number 1 be assigned the same meaning as the letter I, and the number 2 be assigned the same meaning as the letter Z.

CVT File Identifications

There are seven (7) Code Value Tables in MSIS. The File ID indicates on which file the applicable code values are utilized. The 'MS' Code Value Table is used for those data elements whose code values are utilized on multiple files.

File ID	MSIS File
EA	Enforcement Actions
LB	Laboratory Table
MS	Value on Multiple Files
OM	Operator and Mailing
PW	Public Water System Inventory
RG	Regulations
VE	Variances and Exemptions

List of Codes by Catalogue Number

Name of Code	Catalogue #
Contaminant ID Code	001
Reason for Monitoring Code	044
Nuclear Facility Type Code	082
State Postal Code	149
County Code	159
Indian Reservation Code	160
Deactivation Reason Code	196
States' Region Code	200
States' District Code	201
PWS Owner Type Code	237
Water Source Availability Code	246
River Basin Number	247
Latitude	248
Longitude	249
Laboratory Owner Type Code	321
Violation Type Code	343
Plaintiff Type Code	435
Defendant Type Code	437
Legal Status Code	449
Enforcement Action & V or E Milestone Code	454
Variance/Exemption Status Code	461
Treatment Method Code	465
Alternate Treatment Method Code	466
Variance/Exemption Reason Code	469
Variance/Exemption Milestone Delay Code	476
Addressee Type Code	479
Analysis Method Code	809

List of Codes by File ID

File ID	Name of Code	Catalogue #
EA	Plaintiff Type Code	435
EA	Defendant Type Code	437
EA	Legal Status Code	449
LB	Laboratory Owner Type Code	321
LB	Analysis Method Code	809
MS	Contaminant ID Code	001
MS	Nuclear Facility Type Code	082
MS	State Postal Code	149
MS	Violation Type Code	343
MS	Milestone Code	454
OM	Addressee Type Code	479
PW	County Code	159
PW	Indian Reservation Code	160
PW	Deactivation Reason Code	196
PW	States' Region Code	200
PW	States' District Code	201
PW	PWS Owner Type Code	237
PW	Water Source Availability Code	246
PW	River Basin Number	247
PW	Latitude	248
PW	Longitude	249
RG	Reason for Monitoring Code	044
VE	Variance/Exemption Status Code	461
VE	Treatment Method Code	465
VE	Alternate Treatment Method Code	466
VE	Variance/Exemption Reason Code	469
VE	Variance/Exemption Milestone Code	476

List of Codes Requested to be Reported to EPA

The predefined acceptable values established for the following data elements must not be modified or added to without prior approval of the U.S. EPA, Office of Water Supply.

Name of Code	Catalogue #
Contaminant ID Code	001
State Postal Code	149
Deactivation Reason Code	196
PWS Owner Type Code	237
Violation Type Code	343
Plaintiff Type Code	435
Defendant Type Code	437
Legal Status Code	449

Note: The above list is not inclusive of all Federal reporting requirements, but only those data elements which are contained on a Code Value Table (CVT).

Code Name: Contaminant ID Code

Cataloque Number: 001

CVT File: MS

Requested by EPA to be reported: Yes

Maximum number of values permitted: 200

Structure of Code:
XYZZ where
X = contaminant group
Y = sub group (organic chemicals and beta emitters only)
ZZ = specific contaminant

Description: This is a four digit numeric code which identifies a Physical, Microbiological, Chemical, or Radiological contaminant. The first digit identifies the contaminant group as follows:

0 = Turbidity
1 = Inorganic Chemicals
2 = Organic Chemicals
3 = Microbiological
4 = Radionuclides
9 = Other

The second digit identifies the contaminant subgroup as follows:

contaminant group 0, 1, and 3:	not applicable	
contaminant group 2:	subgroup 0 =	Chlorinated Hydrocarbons
	subgroup 1 =	Chlorophenoxys
contaminant group 4:	subgroup 0 =	Naturally occurring Radionuclides
	subgroups 1, 2, and 3 =	Man-made Radionuclides.

The third and fourth digits identify the specific contaminant.

During detailed systems design, the SouthWestern Ohio Regional Computer Center assigned contaminant ID's for each physical, microbiological, chemical, and radiological contaminant listed in the National Interim Primary Drinking Water Regulations (NIPDWR). Major beta emitters, although not specifically identified in the NIPDWR, were provided by the U.S. EPA, Office of Water Supply. The list of major beta emitters encompasses only those radionuclides having a half-life of greater than 24 hours.

Two sets of contaminant ID's follow. The first set of values consists of those contaminants for which input data to module MSIS030 (Standard Tables Creation) is provided on your installation tape. The second set of values consists of beta emitters for which a State may wish to monitor, but the corresponding input data to module MSIS030 is not provided on your installation tape.

Acceptable Values:

SET #1 Input to MSIS030 provided on installation tape

Contaminant Group 0 - Turbidity

0100	Turbidity

Contaminant Group 1 - Inorganic Chemicals

1005	Arsenic
1010	Barium
1015	Cadmium
1020	Chromium
1025	Fluoride
1030	Lead
1035	Mercury
1040	Nitrate (as N)
1045	Selenium
1050	Silver

Contaminant Group 2 - Organic Chemicals

Subgroup 0 - Chlorinated Hydrocarbons

2005	Endrin
2010	Lindane
2015	Methoxychlor
2020	Toxaphene

Subgroup 1 - Chlorophenoxys

2105	2, 4 - D
2110	2, 4, 5 - TP Silvex

Contaminant Group 3 - Microbiological

3000	Coliform

Contaminant Group 4 - Radionuclides

Subgroup 0 - Naturally occurring

4000	Gross Alpha Particle Activity
4010	Combined Radium

4020	Radium - 226
4030	Radium - 228

Subgroups 1, 2, and 3 - Man-made

4100	Gross Beta Particle Activity
4102	TRITIUM
4128	23-VANADIUM-48
4136	26-IRON-59
4142	27-COBALT-60
4146	28-NICKEL-63
4172	38-STRONTIUM-89
4174	38-STRONTIUM-90
4176	39-YTTRIUM-90
4178	39-YTTRIUM-91
4184	40-ZIRCONIUM-95
4188	41-NIOBIUM-95
4200	43-TECHNETIUM-99
4206	44-RUTHENIUM-103
4208	44-RUTHENIUM-106
4220	47-SILVER-110
4262	53-IODINE-129
4264	53-IODINE-131
4270	55-CESIUM-134
4306	63-EUROPIUM-154

SET #2 Other major beta emitters (not on installation tape)

Contaminant Group 4 - Radionuclides

Subgroups 1, 2, and 3 - Man-made

4104	4-BERYLLIUM-7
4106	4-BERYLLIUM-10
4108	6-CARBON-14
4110	11-SODIUM-22
4112	15-PHOSPHORUS-32
4114	16-SULFUR-35
4116	17-CHLORINE-36
4118	20-CALCIUM-45
4120	20-CALCIUM-47
4122	21-SCANDIUM-46
4124	21-SCANDIUM-47
4126	21-SCANDIUM-48
4130	24-CHROMIUM-51
4132	25-MANGANESE-54
4134	26-IRON-55
4138	27-COBALT-57
4140	27-COBALT-58
4144	28-NICKEL-59
4148	30-ZINC-65
4150	32-GERMANIUM-71
4152	33-ARSENIC-73
4154	33-ARSENIC-74
4156	33-ARSENIC-76
4158	33-ARSENIC-77
4160	34-SELENIUM-75
4162	34-SELENIUM-79
4164	35-BROMINE-82
4166	37-RUBIDIUM-86
4168	37-RUBIDIUM-87
4170	38-STRONTIUM-85
4180	39-YTTRIUM-91M
4182	40-ZIRCONIUM-93
4186	41-NIOBIUM-93
4190	42-MOLYBDENUM-93
4192	42-MOLYBDENUM-99
4194	43-TECHNETIUM-96
4196	43-TECHNETIUM-97M
4198	43-TECHNETIUM-97
4202	43-TECHNETIUM-99M
4204	44-RUTHENIUM-97
4210	45-RHODIUM-105
4212	46-PALLADIUM-103
4214	46-PALLADIUM-107
4216	47-SILVER-105M
4218	47-SILVER-110M
4222	47-SILVER-111
4224	48-CADMIUM-109

4226	48-CADMIUM-113M
4228	48-CADMIUM-115M
4230	48-CADMIUM-115
4232	49-INDIUM-115
4234	50-TIN-113
4236	50-TIN-123
4238	50-TIN-125
4240	51-ANTIMONY-122
4242	51-ANTIMONY-124
4244	51-ANTIMONY-125
4246	51-ANTIMONY-127
4248	52-TELLURIUM-125M
4250	52-TELLURIUM-127M
4252	52-TELLURIUM-127
4254	52-TELLURIUM-129M
4256	52-TELLURIUM-129
4258	52-TELLURIUM-132
4260	53-IODINE-126
4266	55-CESIUM-131
4268	55-CESIUM-134M
4272	55-CESIUM-135
4274	55-CESIUM-136
4276	55-CESIUM-137
4278	56-BARIUM-140
4280	57-LANTHANUM-140
4282	58-CERIUM-141
4284	58-CERIUM-143
4286	58-CERIUM-144
4288	56-PRASEODYMIUM-143
4290	60-NEODYMIUM-147
4292	61-PROMETHIUM-147
4294	61-PROMETHIUM-148
4296	61-PROMETHIUM-148M
4298	61-PROMETHIUM-149
4300	62-SAMARIUM-151
4302	62-SAMARIUM-153
4304	63-EUROPIUM-152
4308	63-EUROPIUM-155
4310	63-EUROPIUM-156
4312	64-GADOLINIUM-153
4314	65-TERBIUM-160
4316	66-DYSPROSIUM-166
4318	67-HOLMIUM-166
4320	67-HOLMIUM-166M
4322	68-ERBIUM-169
4324	69-THULIUM-170
4326	69-THULIUM-171
4328	70-YTTERBIUM-175
4330	71-LUTETIUM-177
4332	72-HAFNIUM-181
4334	73-TANTALUM-182
4336	74-TUNGSTEN-181
4338	74-TUNGSTEN-185

4340	74-TUNGSTEN-187
4342	75-RHENIUM-183
4344	75-RHENIUM-186
4346	75-RHENIUM-187
4348	76-OSMIUM-185
4350	76-OSMIUM-191
4352	76-OSMIUM-193
4354	77-IRIDIUM-190
4356	77-IRIDIUM-192
4358	78-PLATINUM-191
4360	78-PLATINUM-193M
4362	78-PLATINUM-193
4364	79-GOLD-196
4366	79-GOLD-198
4368	81-THALLIUM-204
4370	82-LEAD-203
4372	82-LEAD-210
4374	83-BISMUTH-206
4376	83-BISMUTH-207
4378	83-BISMUTH-210
4380	84-POLONIUM-210
4382	91-PROTACTINIUM-233

Code Name: Reason for Monitoring Code

Catalogue Number: 044

CVT File: RG

Requested by EPA to be reported: No

Maximum number of values permitted: 26

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the reason for which a contaminant is monitored. Primary regulations are established for the protection of public health. Therefore, only one code is necessary to satisfy the reason for monitoring a contaminant as specified under the Primary Regulations. However, since State law may require monitoring and enforcement of secondary regulations, additional reasons for monitoring are provided. Initial acceptable values were defined through the cooperative efforts of the SouthWestern Ohio Regional Computer Center, the U.S. EPA, and the MSIS subcommittee of the Conference of State Sanitary Engineers.

Acceptable Values:

Primary Regulations

Code*	Description
H	Health

Secondary Regulations

Code**	Description
C	Color
D	TDS
F	Foaming
I	Iron
L	Chloride
M	Manganese
O (letter)	Odor
P	PH
S	Sulfate
T	Taste
U	Copper
V	Corrosivity
Y	Hydrogen Sulfide
Z	Zinc
0 (zero)	Odor
1	Iron
2	Zinc

*Do not change - this value is utilized on the Federal Primary Regulations input data provided on your installation tape.

**May be reassigned by the State.

Code Name: Nuclear Facility Type Code

Catalogue Number: 082

CVT File: MS

Requested by EPA to be reported: No

Maximum number of values permitted: 10

Structure of Code: None

Description: This is a one digit alphanumeric code which is used to identify the type of nuclear facility that may be a potential contaminator of a public water source. It is also used on the major beta emitter regulations table to indicate which type of nuclear facility a radionuclide is most probable to be an effluent of. The initial acceptable values were defined by the U.S. EPA, Office of Water Supply.

Acceptable Values:

Code*	Description
O (letter)	Other
0 (zero)	Other
R	Reactor Facility
W	Waste Storage/Reprocessing

*Do not change the codes of R and W - these values are utilized on the Federal Primary Regulations input data provided on your installation tape. Other values may be reassigned or provided at the discretion of the State.

Code Name: State Postal Code

Catalogue Number: 149

CVT File: MS

Requested by EPA to be reported: Yes

Maximum number of values permitted: 66

Structure of Code: None

Description: This is a two digit alphanumeric code which is equivalent to the two letter State abbreviation defined by the U.S. Postal Service plus ten numeric values, one for each of the EPA regional offices. The code is used as the State in mailing addresses and for the specification of the State or EPA region which is providing surveillance over a Public Water System.

Acceptable Values:

Code	Description
AK	Alaska
AL	Alabama
AR	Arkansas
AS	American Samoa
AZ	Arizona
CA	California
CO	Colorado
CT	Connecticut
DC	District of Columbia
DE	Delaware
FL	Florida
GA	Georgia
GU	Guam
HI	Hawaii
IA	Iowa
ID	Idaho
IL	Illinois
IN	Indiana
KS	Kansas
KY	Kentucky
LA	Louisiana
MA	Massachusetts
MD	Maryland
ME	Maine
MI	Michigan
MN	Minnesota
MO	Missouri
MS	Mississippi
MT	Montana

NC	North Carolina
ND	North Dakota
NE	Nebraska
NH	New Hampshire
NJ	New Jersey
NM	New Mexico
NV	Nevada
NY	New York
OH	Ohio
OK	Oklahoma
OR	Oregon
PA	Pennsylvania
PR	Puerto Rico
RI	Rhode Island
SC	South Carolina
SD	South Dakota
TN	Tennessee
TT	Trust Territories
TX	Texas
UT	Utah
VA	Virginia
VI	Virgin Islands
VT	Vermont
WA	Washington
WI	Wisconsin
WV	West Virginia
WY	Wyoming
01	EPA Region I - Boston
02	EPA Region II - New York
03	EPA Region III - Philadelphia
04	EPA Region IV - Atlanta
05	EPA Region V - Chicago
06	EPA Region VI - Dallas
07	EPA Region VII - Kansas City
08	EPA Region VIII - Denver
09	EPA Region IX - San Francisco
10	EPA Region X - Seattle

Code Name: County Code

Catalogue Number: 159

CVT File: PW

Requested by EPA to be reported: No

Maximum number of values permitted: 260 (at the discretion of the State, this value may be reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code: None

Description: This is a three digit numeric code identifying the county in which a Public Water System is located. Acceptable values were acquired from the Federal Information Processing Standards Publication (FIPS PUB 6-1), June 15, 1970, prepared by the U.S. Department of Commerce, National Bureau of Standards. Although this data element is not required for federal reporting, it is recommended that the values provided be utilized. The following acceptable values are listed by county within State. It should be noted that minimum and maximum longitude and latitude vertices are specified for all counties excluding those in Alaska, Puerto Rico, American Samoa, Guam, Virgin Islands, and the Trust Territories for which this data was unavailable. The latitude and longitude vertices are the same as those utilized in EPA's STORET system.

Acceptable Values:

STATE NAME: ALABAMA

STATE ABBREVIATION: AL

STATE CODE: 01

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Autauga	032 19 13	033 42 29	086 25 01	087 54 49
003	Baldwin	030 14 25	031 18 51	087 23 29	088 01 03
005	Barbour	031 37 12	032 09 07	085 03 40	086 44 36
007	Bibb	032 50 20	033 15 02	086 52 44	087 24 53
009	Blount	033 46 25	034 16 03	086 18 11	087 57 34
011	Bullock	031 52 50	032 18 18	085 25 41	086 00 13
013	Butler	031 32 03	032 57 56	086 27 33	087 54 26
015	Calhoun	033 33 37	034 58 03	085 31 57	086 09 00
017	Chambers	032 43 57	033 06 26	085 07 39	086 35 41
019	Cherokee	033 56 48	035 37 08	085 24 14	086 52 57
021	Chilton	032 38 43	033 04 48	086 22 37	087 01 16
023	Choctaw	031 41 55	032 18030	087 54 34	088 28 34
025	Clarke	031 08 45	032 59 49	087 29 36	088 10 36
027	Clay	033 05 42	033 30 13	085 37 24	086 10 17
029	Cleburne	033 28 10	034 58 01	085 18 48	086 53 03
031	Coffee	031 11 17	032 37 01	085 47 31	086 12 13
033	Colbert	034 34 16	035 54 09	087 25 39	088 08 49
035	Conecuh	031 11 33	032 45 37	086 39 41	087 25 58
037	Coosa	032 44 56	033 06 38	086 00 52	087 31 04
039	Covington	031 00 22	032 32 12	086 12 04	087 42 36
041	Crenshaw	031 26 14	032 03 36	086 08 55	087 30 45
043	Cullman	033 51 46	034 19 02	086 27 29	087 06 47
045	Dale	031 11 30	032 37 15	085 25 30	086 47 41
047	Dallas	032 03 14	033 39 57	086 48 07	087 27 42
049	De Kalb	034 12 29	035 50 37	085 32 33	086 06 25
051	Elmore	032 24 51	033 46 18	085 51 41	086 25 02
053	Escambia	031 00 22	031 16 16	086 42 08	088 37 01
055	Etowah	033 50 18	034 12 47	085 44 20	086 21 34
057	Fayette	033 31 22	034 55 13	087 24 37	088 57 18
059	Franklin	034 18 18	035 35 07	087 31 17	088 10 59
061	Geneva	031 00 27	031 11 57	085 29 34	086 12 13
063	Greene	032 31 40	033 09 25	087 41 53	088 12 01
065	Hale	032 28 53	033 00 54	087 24 42	088 52 30
067	Henry	031 17 56	032 47 39	085 03 45	085 25 32
069	Houston	031 00 12	031 18 14	085 01 01	086 42 45

071	Jackson	034 27 43	035 59 27	085 35 13	086 21 30
073	Jefferson	033 15 02	034 51 11	086 30 51	087 19 44
075	Lamar	033 31 29	034 03 54	087 56 43	088 16 23
077	Lauderdale	034 44 26	035 00 44	087 12 04	088 11 45
079	Lawrence	034 17 55	035 48 24	087 05 34	088 31 30
081	Lee	032 25 50	033 45 24	084 59 14	086 41 59
083	Limestone	034 33 03	035 59 56	086 46 42	087 15 19
085	Lowndes	031 57 53	032 25 06	086 24 23	087 54 30
087	Macon	032 14 17	033 36 13	085 26 19	086 01 42
089	Madison	034 29 26	035 59 35	086 15 15	087 46 52
091	Marengo	031 59 40	033 33 07	087 27 41	088 06 57
093	Marion	033 55 05	034 19 01	087 37 34	088 12 31
095	Marshall	034 06 10	035 36 01	086 04 05	087 34 42
097	Mobile	030 20 23	031 10 48	087 54 56	088 25 50
099	Monroe	031 14 05	032 50 07	086 54 22	088 46 20
101	Montgomery	031 58 04	033 29 59	085 54 51	087 30 13
103	Morgan	034 18 38	035 41 09	086 32 29	087 06 30
105	Perry	032 18 08	033 52 37	087 01 07	088 30 43
107	Pickens	032 59 11	034 31 40	087 50 13	088 20 28
109	Pike	031 36 58	032 04 27	085 39 53	086 12 02
111	Randolph	033 06 25	033 29 50	085 14 27	086 38 55
113	Russell	032 03 54	033 30 00	084 54 02	085 26 39
115	St Clair	033 23 50	034 00 06	086 02 47	087 34 36
117	Shelby	033 01 41	034 33 42	086 21 02	087 02 12
119	Sumter	032 18 29	033 59 19	087 49 56	088 25 40
121	Talladega	033 06 31	034 42 28	085 47 42	086 29 35
123	Tallapoosa	032 29 42	033 06 32	085 35 40	086 00 52
125	Tuscaloosa	033 00 36	034 37 04	087 03 26	088 50 23
127	Walker	033 31 07	034 00 43	086 56 33	088 37 45
129	Washington	031 07 17	032 42 03	087 53 12	088 27 45
131	Wilcox	031 49 28	032 16 56	086 51 35	088 39 49
133	Winston	033 59 55	034 18 22	087 06 36	088 37 45

STATE NAME: **ALASKA**

The official political units of Alaska are called boroughs. There are 10 organized boroughs and an unorganized borough. Unfortunately, for statistical purposes, the organized boroughs cover only a very small percentage of the land area of the State and have the further disadvantage of excluding military and Indian reservations which lie within their boundaries. Consequently, the unorganized borough is too large to provide a basis for suitable statistical analysis. For these reasons the boroughs are not usable for most statistical purposes.

The Bureau of the Census, in conjunction with the State of Alaska, has established more effective basis for statistical purposes. The Census Divisions are stable geographic statistical areas with defined boundaries that encompass the entire state and generally comprise the election districts. The State of Alaska has requested that these Census Divisions be utilized for statistical purposes.

In order to find the Census Division Code for a given Alaska Place Name, refer to Appendix A.

STATE ABBREVIATION: AK

STATE CODE: 02

CODE	CENSUS DIV NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
010	Aleutian Islands				
020	Anchorage				
030	Angoon				
040	Barrow				
050	Bethel				
060	Bristol Bay Borough				
070	Bristol Bay				
080	Cordova-McCarthy				
090	Fairbanks				
100	Haines				
110	Juneau				
120	Kenai-Cook Inlet				
130	Ketchikan				
140	Kobuk				
150	Kodiak				
160	Kuskokwim				
170	Matanuska-Susitna				
180	Nome				
190	Outer Ketchikan				
200	Prince of Wales				
210	Seward				
220	Sitka				
230	Skagway-Yakutat				
240	Southeast Fairbanks				
250	Upper Yukon				
260	Valdez-Chitina-Whittier				
270	Wade Hampton				
280	Wrangell-Petersburg				
290	Yukon-Koyukuk				

STATE NAME: ARIZONA

STATE ABBREVIATION: AZ

STATE CODE: 04

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Apache	033 29 21	037 59 59	109 02 29	110 00 37
003	Cochise	031 20 56	032 25 45	109 03 29	110 28 35
005	Coconino	034 15 27	037 00 10	110 45 01	113 20 45
007	Gila	032 59 12	034 26 45	110 00 35	112 42 32
009	Graham	032 25 32	034 38 58	109 11 23	110 28 06
011	Greenlee	032 25 37	034 46 58	109 03 06	110 30 14
013	Maricopa	032 30 42	034 02 47	111 02 49	113 20 11
015	Mohave	034 12 54	037 00 13	112 31 54	115 45 17
017	Navajo	033 33 04	037 00 00	109 49 37	111 45 25
019	Pima	031 26 28	033 31 00	110 27 56	113 20 49
021	Pinal	032 30 05	033 28 08	110 27 25	112 12 21
023	Santa Cruz	031 20 48	032 44 23	110 27 54	111 23 23
025	Yavapai	033 52 44	036 31 30	111 26 11	113 19 47
027	Yuma	032 03 32	034 19 33	113 19 36	114 48 48

STATE NAME: ARKANSAS

STATE ABBREVIATION: AR

STATE CODE: 05

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Arkansas	033 55 08	035 34 25	091 03 18	092 42 27
003	Ashley	033 00 21	033 23 15	091 27 26	092 08 39
005	Baxter	035 58 12	036 29 52	092 09 29	093 35 02
007	Benton	036 06 02	037 30 32	093 52 29	095 37 24
009	Boone	036 06 39	037 30 04	092 50 32	093 17 58
011	Bradley	033 09 45	034 42 15	091 58 18	092 23 11
013	Calhoun	033 16 19	034 48 05	092 18 59	093 47 09
015	Carroll	036 06 54	037 30 00	093 17 57	094 52 41
017	Chicot	033 00 10	034 33 10	091 02 39	091 27 58
019	Clark	033 46 30	034 21 00	092 52 40	093 29 53
021	Clay	036 12 05	037 30 24	090 04 05	091 48 56
023	Cleburne	035 20 59	036 42 14	091 47 30	092 16 37
025	Cleveland	033 42 08	034 04 36	091 57 11	092 28 12
027	Columbia	033 01 06	033 27 18	092 59 02	093 29 25
029	Conway	035 04 02	035 27 23	092 28 36	093 03 13
031	Craighead	035 41 50	036 00 29	090 17 51	091 02 33
033	Crawford	035 20 20	036 45 52	093 54 31	095 30 03
035	Crittenden	034 50 27	035 26 04	090 03 36	090 30 26
037	Cross	035 08 25	035 26 40	090 30 13	091 02 45
039	Dallas	033 47 25	034 09 51	092 20 05	093 56 25
041	Desha	033 30 44	034 07 28	090 55 33	092 33 10
043	Drew	033 23 10	034 47 46	091 27 09	092 00 57
045	Faulkner	034 54 03	035 21 40	092 07 00	093 36 27
047	Franklin	035 12 09	036 45 57	093 42 28	094 05 15
049	Fulton	036 14 48	037 30 35	091 27 44	092 09 42
051	Garland	034 23 40	035 46 29	092 47 03	093 24 24
053	Grant	034 04 09	035 30 08	092 13 01	093 40 11
055	Greene	035 57 58	036 15 55	090 11 20	091 51 43
057	Hempstead	034 28 29	034 01 03	093 26 58	094 58 19
059	Hot Spring	034 09 27	035 30 37	092 39 48	093 24 32
061	Howard	033 45 06	034 21 39	093 49 26	094 16 05
063	Independence	035 31 27	036 55 59	091 13 39	092 52 10
065	Izard	035 49 55	036 15 20	091 41 24	092 13 18
067	Jackson	035 20 54	036 52 45	091 02 27	092 35 23
069	Jefferson	034 04 10	034 29 48	091 25 45	092 14 19

071	Johnson	035 19 22	036 45 49	093 10 57	094 42 37
073	Lafayette	033 01 12	033 28 32	093 21 52	094 52 18
075	Lawrence	035 52 44	036 15 03	090 45 32	091 22 01
077	Lee	034 38 33	035 54 36	090 24 42	091 06 42
079	Lincoln	033 47 06	034 10 43	091 24 52	092 58 25
081	Little River	033 33 08	034 57 54	093 51 27	094 29 35
083	Logan	035 01 15	035 24 58	093 16 50	094 09 29
085	Lonoke	034 29 13	035 03 59	091 38 19	092 07 19
087	Madison	035 45 47	036 17 58	093 27 15	094 58 12
089	Marion	036 03 35	037 30 04	092 24 38	093 53 11
091	Miller	033 01 22	034 36 47	093 40 53	094 03 31
093	Mississippi	035 24 40	036 00 41	089 38 59	090 17 59
095	Monroe	034 20 28	035 00 16	091 00 41	091 26 57
097	Montgomery	034 20 53	035 45 25	093 23 28	094 56 19
099	Nevada	033 26 44	034 57 52	093 06 19	093 28 56
101	Newton	035 42 46	036 07 00	092 56 26	094 32 08
103	Ouachita	033 21 48	034 49 05	092 35 24	093 06 55
105	Perry	035 46 15	035 05 53	092 32 49	093 18 54
107	Phillips	034 07 19	035 39 02	090 31 49	091 06 47
109	Pike	033 57 18	034 21 27	093 22 43	094 56 25
111	Poinsett	035 26 02	036 42 07	090 17 39	091 02 33
113	Polk	034 12 00	035 44 57	093 55 56	094 29 07
115	Pope	035 06 47	036 43 01	092 48 07	093 18 05
117	Prairie	034 29 13	035 05 24	091 21 00	092 48 08
119	Pulaski	034 29 42	035 00 30	092 02 07	093 44 50
121	Randolph	036 08 37	037 30 14	090 45 24	091 25 21
123	St Francis	034 51 57	035 08 33	090 24 23	091 10 09
125	Saline	034 24 57	035 51 38	092 14 27	093 04 30
127	Scott	034 39 39	035 06 02	093 42 25	094 28 09
129	Searcy	035 42 42	036 06 39	092 24 34	093 57 08
131	Sebastian	034 58 09	035 26 36	094 02 25	094 27 35
133	Sevier	033 45 15	034 12 59	093 57 39	094 29 33
135	Sharp	035 52 44	037 30 01	091 15 59	092 43 43
137	Stone	035 41 36	036 07 43	091 49 43	092 24 42
139	Union	033 00 23	033 23 05	092 03 56	093 59 31
141	Van Buren	035 21 28	036 46 57	092 16 20	093 50 34
143	Washington	035 44 38	036 13 43	093 53 46	095 33 39
145	White	035 01 22	036 31 42	091 21 11	092 07 16
147	Woodruff	034 54 41	035 26 23	091 02 41	091 28 23
149	Yell	034 45 08	035 18 35	092 56 07	094 42 49

STATE NAME: CALIFORNIA

STATE ABBREVIATION: CA

STATE CODE: 06

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Alameda	037 27 34	038 53 56	121 28 33	122 16 38
003	Alpine	038 19 54	039 54 24	119 32 17	120 04 34
005	Amador	038 13 25	039 42 37	120 04 08	121 01 22
007	Butte	039 17 54	040 10 23	121 03 13	122 03 55
009	Calaveras	037 49 55	039 31 02	120 03 03	121 58 49
011	Colusa	038 56 04	039 24 59	121 47 19	123 48 37
013	Contra Costa	037 42 18	038 06 28	121 32 28	122 22 43
015	Del Norte	041 23 16	042 00 31	123 32 47	124 14 07
017	El Dorado	038 30 28	039 04 24	119 52 11	121 09 08
019	Fresno	035 54 15	038 34 53	118 20 56	121 54 01
021	Glenn	039 23 03	040 48 35	121 51 27	123 56 40
023	Humboldt	040 00 27	041 28 35	123 25 15	124 22 55
025	Imperial	032 37 36	033 26 02	114 28 30	116 06 38
027	Inyo	036 47 09	037 28 36	115 40 26	119 46 56
029	Kern	034 48 40	036 48 04	117 37 49	120 11 58
031	Kings	035 46 35	036 29 08	119 27 31	120 17 48
033	Lake	038 39 50	040 35 27	122 23 12	123 06 36
035	Lassen	039 42 29	041 12 11	120 00 32	121 20 33
037	Los Angeles	033 44 03	035 49 15	117 38 38	119 57 04
039	Madera	036 45 33	038 46 24	119 00 52	121 32 08
041	Marin	037 50 15	038 19 18	122 24 21	123 58 57
043	Mariposa	037 11 11	038 54 32	119 17 38	120 23 04
045	Mendocino	038 45 17	040 00 39	122 48 47	124 59 53
047	Merced	036 44 09	038 37 52	120 02 45	121 15 20
049	Modoc	041 12 00	042 01 21	120 00 32	121 28 11
051	Mono	037 27 47	039 41 52	117 50 51	120 39 19
053	Monterey	035 46 35	037 54 30	120 11 58	122 55 59
055	Napa	038 08 38	039 51 42	122 03 20	123 39 03
057	Nevada	039 00 20	040 32 20	120 00 07	121 16 58
059	Orange	033 21 01	034 56 40	117 25 51	118 05 36
061	Placer	038 43 09	039 19 03	120 00 11	121 28 56
063	Plumas	039 36 31	040 28 23	120 06 .7	121 29 55
065	Riverside	033 25 50	034 04 48	114 25 17	118 40 32
067	Sacramento	038 01 18	039 44 08	121 00 15	122 50 04
069	San Benito	036 11 40	037 58 54	120 35 28	122 38 39

071	San Bernardino	033 53 10	036 50 22	114 07 05	118 48 28
073	San Diego	032 32 35	034 30 44	116 05 01	118 35 15
075	San Francisco	037 41 56	038 48 59	122 19 37	122 29 02
077	San Joaquin	037 29 04	038 18 16	120 54 06	122 35 22
079	San Luis Obispo	034 53 52	036 47 09	119 28 01	121 16 47
081	San Mateo	037 08 37	038 42 07	122 03 38	122 29 18
083	Santa Barbara	034 24 18	035 06 34	119 26 20	121 37 55
085	Santa Clara	036 53 53	037 29 04	121 12 49	122 11 35
087	Santa Cruz	036 52 53	037 16 37	121 36 58	122 18 10
089	Shasta	040 18 12	041 13 57	121 19 37	123 04 23
091	Sierra	039 24 52	040 46 53	120 00 07	121 03 10
093	Siskiyou	041 00 28	042 00 44	121 27 58	124 44 28
095	Solano	038 02 05	039 32 38	121 35 25	122 15 16
097	Sonoma	038 06 57	039 51 52	121 21 35	123 28 42
099	Stanislaus	037 08 10	038 04 18	120 23 04	121 29 13
101	Sutter	038 43 53	039 18 31	121 24 43	122 56 43
103	Tehama	039 48 16	040 28 07	121 21 51	123 04 08
105	Trinity	040 00 12	041 22 43	122 27 35	124 38 00
107	Tulare	035 46 49	037 45 10	117 58 50	120 33 33
109	Tuolumne	037 37 52	038 26 43	119 11 04	121 38 59
111	Ventura	034 04 43	035 53 59	118 37 23	119 27 15
113	Yolo	038 18 48	039 56 25	121 30 00	122 24 57
115	Yuba	038 55 19	040 38 00	121 00 27	122 38 16

STATE NAME: COLORADO

STATE ABBREVIATION: CO

STATE CODE: 08

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	039 44 15	040 00 48	103 42 45	105 03 24
003	Alamosa	037 20 32	038 44 15	105 27 27	106 03 17
005	Arapahoe	039 33 57	040 44 56	103 42 45	105 03 15
007	Archuleta	036 59 22	037 25 07	106 28 21	107 27 36
009	Baca	036 59 25	038 38 47	102 02 44	103 05 05
011	Bent	038 38 02	038 15 31	103 44 25	103 24 43
013	Boulder	040 54 43	040 15 53	105 03 19	106 41 07
015	Chaffee	038 25 00	039 03 08	106 53 08	107 37 02
017	Cheyenne	039 36 10	039 03 09	102 02 59	103 10 44
019	Clear Creek	040 33 27	040 51 03	105 23 55	106 56 31
021	Conejos	037 59 04	039 23 28	106 43 14	107 41 06
023	Costilla	037 59 01	038 39 02	105 07 37	106 46 16
025	Crowley	038 06 54	039 30 58	104 30 38	104 02 58
027	Custer	038 52 53	038 15 17	105 03 06	106 47 18
029	Delta	039 39 11	039 11 55	108 30 09	108 23 08
031	Denver	040 39 29	040 47 48	105 51 31	105 03 15
033	Dolores	038 37 58	038 53 32	100 51 47	109 02 54
035	Douglas	039 07 27	040 34 05	105 39 08	105 19 26
037	Eagle	039 20 57	040 54 54	106 10 37	107 07 29
039	Elbert	038 51 39	040 34 18	103 42 32	105 39 13
041	El Paso	038 30 44	039 07 42	104 02 58	105 03 05
043	Fremont	038 14 45	039 41 53	104 55 43	106 02 11
045	Garfield	039 21 24	040 05 13	107 00 21	109 03 44
047	Gilpin	039 44 25	040 56 23	105 24 10	106 42 13
049	Grand	039 41 07	040 29 15	105 36 58	107 40 09
051	Gunnison	038 08 42	039 14 29	106 15 21	108 38 26
053	Hinsdale	037 25 04	038 08 48	107 00 15	108 35 17
055	Huerfano	037 16 38	038 00 29	104 20 16	105 29 58
057	Jackson	040 19 42	041 00 52	105 51 47	107 52 40
059	Jefferson	039 07 27	040 54 45	105 02 45	105 24 18
061	Kiowa	038 15 11	039 36 48	102 03 03	104 30 39
063	Kit Carson	039 02 27	040 34 45	102 03 10	103 10 43
065	Lake	039 03 02	039 21 51	106 09 12	107 35 21
067	La Plata	036 59 45	038 38 11	107 27 32	108 23 27
069	Larimer				

071	Las Animas	036 59 08	038 48 25	103 05 01	105 14 25
073	Lincoln	038 30 30	040 34 18	103 09 08	104 03 06
075	Loqan	040 26 22	041 00 23	102 39 04	104 34 36
077	Mesa	038 30 08	039 21 38	107 22 45	109 03 34
079	Mineral	037 23 03	038 58 03	106 41 23	107 09 29
081	Moffat	040 13 09	041 00 58	107 18 24	109 03 27
083	Montezuma	036 59 43	038 38 11	107 58 21	109 02 54
085	Montrose	038 09 01	039 39 18	107 30 03	109 03 27
087	Morqan	040 00 41	041 31 59	103 27 18	104 08 57
089	Otero	037 37 59	038 15 45	103 24 17	104 03 15
091	Ouray	037 53 37	038 19 45	107 30 48	108 08 29
093	Park	038 41 03	040 33 42	105 19 52	106 12 24
095	Phillips	040 26 46	041 45 37	102 03 43	103 40 17
097	Pitkin	038 58 27	039 21 38	106 26 01	107 28 01
099	Prowers	037 38 02	038 15 51	102 02 44	103 45 19
101	Pueblo	037 43 41	039 30 46	104 02 53	105 03 06
103	Rio Blanco	039 39 13	040 13 15	107 00 21	110 03 19
105	Rio Grande	037 23 13	038 50 19	106 03 16	107 42 49
107	Routt	039 54 43	041 00 55	106 38 22	107 26 49
109	Saquache	037 44 15	038 27 23	105 27 04	107 00 21
111	San Juan	037 37 58	038 58 25	107 27 43	108 58 47
113	San Miquel	037 46 28	038 09 08	107 43 45	109 02 55
115	Sedgwick	040 45 19	041 00 14	102 03 44	103 39 23
117	Summit	039 21 32	040 54 31	105 46 56	106 26 47
119	Teller	038 38 42	039 07 42	104 55 41	105 20 21
121	Washinqton	039 34 17	040 26 34	102 46 13	104 42 52
123	Weld	040 00 40	041 00 37	103 33 23	105 03 44
125	Yuma	039 34 28	040 26 48	102 03 24	103 47 50

STATE NAME: CONNECTICUT

STATE ABBREVIATION: CT

STATE CODE: 09

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Fairfield	041 00 53	042 40 45	073 04 40	074 43 12
003	Hartford	041 32 07	042 02 31	072 24 09	073 01 28
005	Litchfield	041 28 59	042 03 01	072 53 28	074 31 58
007	Middlesex	041 15 33	042 38 24	072 18 08	073 44 58
009	New Haven	041 10 52	041 38 16	072 31 41	073 20 08
011	New London	041 16 29	042 42 16	071 47 01	072 27 12
013	Tolland	041 35 19	042 02 07	072 05 59	073 31 13
015	Windham	041 38 18	042 02 07	071 47 09	072 15 12

STATE NAME: DELAWARE

STATE ABBREVIATION: DE

STATE CODE: 10

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Kent	038 49 55	039 22 04	075 18 52	076 46 19
003	New Castle	039 17 14	040 50 48	075 25 19	076 48 09
005	Sussex	038 27 15	039 57 27	075 03 12	076 43 56

STATE NAME: DISTRICT OF COLUMBIA

STATE ABBREVIATION: DC

STATE CODE: 11

CODE	NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Washington	038 48 18	039 59 51	076 55 43	077 08 13

STATE NAME: FLORIDA

STATE ABEREVIATION: FL

STATE CODE: 12

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Alachua	029 25 10	030 56 25	082 01 17	083 39 49
003	Baker	030 08 08	031 34 38	082 02 19	082 27 31
005	Bay	029 57 50	031 34 30	085 23 51	086 59 49
007	Bradford	029 43 17	030 08 10	082 02 36	082 25 22
009	Brevard	027 48 20	029 46 25	080 28 49	081 56 49
011	Broward	025 56 50	026 20 06	080 05 07	081 53 14
013	Calhoun	030 12 52	031 36 28	084 56 10	085 24 21
015	Charlotte	026 45 37	027 02 15	081 33 56	082 20 49
017	Citrus	028 39 57	029 02 55	082 10 30	083 43 56
019	Clay	029 43 17	030 10 36	081 34 13	082 02 42
021	Collier	025 47 48	027 30 43	080 52 55	082 51 12
023	Columbia	029 49 10	031 35 29	082 27 07	083 47 53
025	Dade	025 09 25	026 58 20	080 07 33	081 53 51
027	De Soto	027 01 51	027 20 17	081 33 46	082 12 58
029	Dixie	029 18 24	030 49 27	082 56 00	083 24 43
031	Duval	030 05 08	031 34 25	081 22 01	082 02 27
033	Escambia	030 18 44	031 00 30	087 10 39	088 38 23
035	Flagler	029 15 33	030 39 27	081 06 24	082 31 42
037	Franklin	029 44 01	030 01 14	084 20 46	085 10 15
039	Gadsden	030 23 35	031 43 03	084 18 23	085 56 10
041	Gilchrist	029 34 05	030 55 46	082 39 34	083 57 55
043	Glades	026 45 26	027 12 24	080 52 23	082 34 14
045	Gulf	029 41 12	030 13 05	085 01 48	085 27 18
047	Hamilton	030 18 16	031 37 41	082 38 40	083 16 59
049	Hardee	027 20 08	028 38 47	081 33 46	082 03 36
051	Hendry	026 14 43	027 46 33	080 52 35	082 34 15
053	Hernando	028 26 25	029 42 00	082 03 23	083 41 13
055	Highlands	027 01 49	028 38 39	080 57 20	082 33 56
057	Hillsborough	027 38 35	028 10 11	082 03 27	083 39 24
059	Holmes	030 43 23	031 00 28	085 31 20	086 02 58
061	Indian River	027 33 01	028 50 58	080 20 28	081 52 57
063	Jackson	030 34 20	031 00 28	084 52 06	086 37 14
065	Jefferson	030 06 16	031 40 16	083 35 12	084 04 31
067	Lafayette	029 48 58	030 15 31	082 52 31	083 22 44
069	Lake	028 20 17	029 15 10	081 20 14	082 57 13

071	Lee	026 19 01	027 45 44	081 34 14	082 06 03
073	Leon	030 16 27	031 41 12	083 57 36	085 43 05
075	Levy	029 00 28	030 35 42	082 24 33	083 09 21
077	Liberty	029 58 30	031 36 26	084 34 51	085 09 57
079	Madison	030 15 28	031 38 48	083 09 40	084 48 45
081	Manatee	027 12 01	028 38 47	082 03 30	083 40 37
083	Marion	028 56 47	030 30 54	081 38 07	083 31 53
085	Martin	026 56 41	027 15 22	080 05 02	081 40 57
087	Monroe	025 07 57	026 48 02	080 53 34	081 22 54
089	Nassau	030 15 57	031 49 48	081 27 07	082 03 20
091	Okaloosa	030 24 19	031 00 34	086 23 26	087 48 38
093	Okeechobee	027 08 00	028 38 39	080 40 42	081 11 20
095	Orange	028 19 56	029 46 27	080 51 47	082 38 30
097	Osceola	027 38 23	028 20 19	080 51 47	082 38 30
099	Palm Beach	026 19 02	027 12 51	080 02 37	081 56 46
101	Pasco	028 10 00	028 28 28	082 03 23	083 48 00
103	Pinellas	027 43 07	028 10 17	082 37 28	083 51 02
105	Polk	027 38 39	028 21 14	081 07 35	082 06 17
107	Putnam	029 19 15	030 49 41	081 25 19	082 03 01
109	St Johns	029 37 18	030 14 52	081 11 49	082 40 07
111	St Lucie	027 12 13	028 33 10	080 13 03	081 40 47
113	Santa Rosa	030 22 52	031 00 32	086 48 05	087 19 36
115	Sarasota	026 56 24	027 23 18	082 03 10	083 33 47
117	Seminole	028 35 57	029 51 44	080 58 52	081 26 54
119	Sumter	028 18 15	029 57 02	081 56 53	082 17 48
121	Suwannee	029 52 33	030 25 47	082 44 48	083 14 25
123	Taylor	029 40 17	030 18 18	083 18 39	084 59 09
125	Union	029 54 58	030 08 12	082 08 01	083 33 58
127	Volusia	028 35 44	029 26 02	080 45 39	082 40 36
129	Wakulla	029 58 52	030 18 30	084 04 29	085 43 51
131	Walton	030 17 36	031 00 35	085 51 59	086 24 15
133	Washington	030 24 16	031 50 58	085 27 06	086 01 10

STATE NAME: GEORGIA

STATE ABBREVIATION: GA

STATE CODE: 13

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Appling	031 28 23	032 56 53	082 04 05	083 33 41
003	Atkinson	031 09 46	031 23 22	082 39 39	083 08 44
005	Bacon	031 24 17	032 41 39	082 15 23	083 39 30
007	Baker	031 04 05	031 26 27	084 09 12	085 39 22
009	Baldwin	032 55 44	033 11 19	083 03 40	083 26 13
011	Banks	034 12 21	034 29 19	083 18 13	084 39 53
013	Barrow	033 53 14	034 07 22	083 32 58	084 52 06
015	Bartow	034 04 26	034 24 00	084 39 48	085 07 53
017	Ben Hill	031 39 43	032 51 23	083 02 25	084 31 11
019	Berrien	031 01 41	031 28 04	083 02 18	083 27 24
021	Bibb	032 40 16	033 57 40	083 30 53	084 54 55
023	Bleckley	032 16 49	033 35 01	083 09 54	084 31 38
025	Brantley	031 00 38	031 21 35	081 43 45	082 18 30
027	Brooks	030 38 12	031 04 06	083 22 48	084 45 48
029	Bryan	031 44 14	032 14 48	081 09 05	082 47 02
031	Bulloch	032 09 34	033 38 56	081 26 33	082 03 19
033	Burke	032 49 04	033 16 47	081 33 20	082 19 51
035	Butts	033 11 02	033 26 57	083 48 57	084 08 56
037	Calhoun	031 24 40	032 37 56	084 25 05	085 50 52
039	Camden	030 43 05	031 09 59	081 23 56	082 56 35
043	Candler	033 25 06	034 48 39	084 49 33	085 20 55
045	Carroll	034 45 17	035 58 54	084 59 26	085 16 27
047	Catoosa	030 21 23	031 05 37	081 54 23	082 27 44
049	Charlton	031 44 04	032 14 03	080 50 30	081 23 25
051	Chatham	032 13 01	033 31 22	084 38 59	085 00 08
053	Chattahoochee	034 15 26	035 34 58	085 06 54	086 32 01
055	Chattooga	034 04 10	034 24 00	084 15 57	085 40 06
057	Cherokee	033 50 14	034 02 45	083 15 04	084 32 58
059	Clarke	031 28 46	032 46 37	084 49 35	085 08 09
061	Clay	033 20 50	034 38 39	084 15 21	084 28 31
063	Clayton	030 34 38	031 11 39	082 27 28	083 58 08
065	Clinch	033 44 04	034 04 47	084 23 46	085 45 02
067	Cobb	031 21 06	032 48 16	082 38 03	083 09 53
069	Coffee	031 01 00	031 18 45	083 32 10	084 02 13

071	Colquitt	033 21 21	034 41 50	082 02 21	083 26 58
073	Columbia	031 01 32	031 20 19	083 17 08	084 35 09
075	Cook	033 12 32	034 30 22	084 30 33	085 01 50
077	Coweta	032 32 25	033 51 21	083 45 17	084 10 32
079	Crawford	031 48 00	032 00 52	083 39 27	084 59 52
081	Crisp	034 37 08	035 58 50	085 21 44	086 36 32
083	Dade	034 19 46	035 35 56	083 58 17	084 21 06
085	Dawson	030 41 31	031 04 14	084 22 46	085 52 49
087	Decatur	033 36 57	034 58 04	084 02 49	084 21 46
089	De Kalb	031 53 52	032 27 00	082 54 41	083 23 37
091	Dodge	032 00 48	032 17 40	083 39 27	084 01 56
093	Dooly	031 24 27	032 38 35	084 00 40	084 28 21
095	Dougherty	033 33 54	034 47 44	084 34 43	085 55 22
097	Douglas	031 03 52	032 31 23	084 39 20	085 07 20
099	Early	030 35 13	031 52 38	082 36 16	083 08 08
101	Echols	032 06 03	033 36 32	081 07 37	082 33 35
103	Effingham	033 57 35	034 18 10	082 33 51	083 06 48
105	Elbert	032 17 53	033 51 24	082 01 31	083 39 53
107	Emanuel	032 02 44	032 17 10	081 43 25	082 02 01
109	Evans	034 35 56	035 59 10	084 05 59	085 38 20
111	Fannin	033 14 29	034 32 26	084 23 31	085 39 05
113	Fayette	034 04 15	035 33 10	085 01 07	085 28 09
115	Floyd	034 03 25	034 19 56	083 56 54	084 16 08
117	Forsyth	034 14 34	035 31 43	083 03 42	083 23 57
119	Franklin	033 30 15	034 10 48	084 06 29	085 51 00
121	Fulton	034 32 04	035 50 12	084 11 54	085 40 25
123	Gilmer	033 06 58	033 19 45	082 27 26	083 45 53
125	Glascock	031 02 00	031 27 29	081 24 02	082 46 58
127	Glynn	034 22 12	035 36 50	084 40 06	085 07 36
129	Gordon	030 40 34	031 04 07	084 05 20	084 23 18
131	Grady	033 21 15	034 45 30	082 57 57	083 24 16
133	Greene	033 44 49	034 08 52	083 48 20	084 17 37
135	Gwinnett	034 26 30	035 49 06	083 21 53	084 40 52
137	Habersham	034 05 04	035 31 05	083 35 28	084 05 17
139	Hall	033 03 32	033 27 57	082 45 50	083 16 15
141	Hancock	033 39 00	034 54 22	085 02 51	085 23 36
143	Haralson	032 34 37	033 52 07	084 41 54	085 11 39
145	Harris	034 12 13	034 29 57	082 47 09	083 07 03
147	Hart	033 07 24	033 26 01	084 57 10	085 18 13
149	Heard	033 17 46	034 38 30	083 55 56	084 21 55
151	Henry	032 16 51	033 41 38	083 30 56	084 53 46
153	Houston	031 27 56	032 46 13	083 03 07	084 31 48
155	Irwin	033 57 22	034 17 35	083 20 41	084 49 45
157	Jackson	033 07 42	034 30 51	083 32 32	084 52 35

159	Jasper	031 39 40	032 57 15	082 26 52	083 51 41
161	Jeff Davis	032 45 39	033 19 05	082 14 30	083 39 46
163	Jefferson	032 36 22	033 57 16	081 46 11	082 09 28
165	Jenkins	032 31 10	033 49 38	082 27 52	083 58 36
167	Johnson	032 51 07	033 11 18	083 22 25	084 48 52
169	Jones	032 55 55	033 11 48	084 04 10	084 17 12
171	Lamar	030 49 51	031 09 54	082 58 01	083 12 29
173	Lanier	032 08 59	033 43 16	082 39 52	083 15 22
175	Laurens	031 36 41	032 54 54	083 58 25	084 20 51
177	Lee	031 33 52	032 05 40	081 07 53	082 50 03
179	Liberty	033 38 50	034 58 04	082 13 19	083 38 53
181	Lincoln	031 32 18	032 00 47	081 32 54	082 58 57
183	Long	030 37 17	031 01 42	083 01 44	083 29 50
185	Lowndes	034 24 59	035 44 02	083 49 47	084 12 09
187	Lumpkin	033 18 44	034 39 26	082 18 22	083 40 56
189	McDuffie	031 19 47	032 43 59	081 11 28	082 39 35
191	McIntosh	032 08 21	033 31 01	083 52 16	084 15 17
193	Macon	033 59 14	034 16 14	082 59 08	084 24 34
195	Madison	032 06 53	033 32 58	084 24 58	085 39 02
197	Marion	032 50 25	033 13 15	084 30 29	085 52 27
199	Meriwether	031 03 41	031 15 07	084 33 14	085 56 04
201	Miller	031 04 01	031 25 25	084 01 11	085 31 16
205	Mitchell	031 56 39	032 20 18	082 23 48	083 39 44
207	Monroe	033 26 00	034 48 42	083 16 42	084 41 38
209	Montgomery	034 34 50	035 59 01	084 36 02	085 57 09
211	Morgan	032 22 32	033 36 27	084 40 52	085 04 20
213	Murray	033 22 13	034 43 57	083 41 20	084 03 36
215	Muscogee	033 41 34	034 57 22	083 17 14	084 38 53
217	Newton	033 41 23	034 02 39	082 47 48	083 18 22
219	Oconee	033 45 19	034 04 43	084 44 02	085 03 41
221	Oglethorpe	032 26 33	033 42 30	083 42 58	084 00 02
223	Paulding	034 22 30	035 32 50	084 16 13	085 40 08
225	Peach	031 12 44	032 31 40	082 01 25	082 26 49
227	Pickens	032 58 03	033 11 50	084 14 59	085 33 05
229	Pierce	033 53 54	034 05 35	084 56 21	085 25 39
231	Pike	032 06 04	032 23 53	083 19 11	084 39 41
233	Polk	033 10 17	033 29 02	083 09 30	084 32 44
235	Pulaski	031 45 38	032 57 52	084 54 57	085 08 36
237	Putnam	034 43 01	035 59 43	083 06 41	084 39 40
239	Quitman	031 36 30	032 55 15	084 31 33	085 58 01
241	Rabun	033 13 45	034 32 48	081 50 46	082 20 44
243	Randolph	033 31 26	034 46 47	083 54 58	084 11 40
245	Richmond	032 08 53	032 25 45	084 12 48	084 27 48

247	Rockdale	032 30 05	033 02 31	081 23 40	082 52 22
249	Schley	030 43 46	031 04 29	084 44 58	085 02 05
251	Screven	033 10 04	033 21 42	084 05 21	085 31 01
253	Seminole	034 27 40	035 42 05	083 06 56	083 26 57
255	Spalding	031 54 48	032 14 12	084 39 07	085 04 47
257	Stephens	031 52 00	032 13 12	083 58 25	084 27 59
259	Stewart	032 30 57	033 53 04	084 17 27	085 43 04
261	Sumter	033 25 58	034 43 29	082 40 56	083 01 10
263	Talbot	031 47 23	032 18 28	081 46 57	082 15 33
265	Taliaferro	032 20 46	033 45 24	083 59 28	084 28 04
267	Tattnall	031 45 45	032 07 14	082 40 38	083 14 09
269	Taylor	031 36 30	032 57 40	084 17 13	085 36 54
271	Telfair	030 39 34	031 04 06	083 45 40	084 08 20
273	Terrell	031 18 38	032 35 49	083 18 45	084 41 35
275	Thomas	031 54 21	032 20 18	082 12 30	083 31 30
277	Tift	034 46 44	035 59 19	083 34 53	084 57 13
279	Toombs	032 17 19	033 31 41	082 22 24	083 44 58
281	Towns	032 51 43	033 12 46	084 52 05	085 14 33
283	Treutlen	031 33 32	032 51 59	083 29 15	084 49 19
285	Troup	032 27 41	033 54 19	083 15 22	084 37 46
287	Turner	034 38 14	035 58 53	083 48 16	084 11 28
289	Twiggs	032 41 59	033 59 11	084 08 55	085 33 05
291	Union	034 34 32	035 58 41	085 03 07	086 32 33
293	Upson	033 35 34	034 55 23	083 30 54	084 59 09
295	Walker	030 33 46	031 27 20	082 09 39	083 44 14
297	Walton	033 15 08	034 36 18	082 24 12	083 51 54
299	Ware	032 46 11	033 14 07	082 31 23	083 05 20
301	Warren	031 19 19	032 49 25	081 36 45	082 10 23
303	Washington	031 54 38	032 13 38	084 27 38	085 40 13
305	Wayne	031 54 42	032 18 13	082 33 19	083 58 28
307	Webster	034 29 52	035 49 22	083 37 24	084 53 09
309	Wheeler	034 36 07	035 58 55	084 49 24	085 09 47
311	White	031 50 23	032 07 52	083 13 02	084 39 36
313	Whitfield	033 36 18	034 58 57	082 29 59	083 59 44
315	Wilcox	032 35 01	033 59 58	082 57 36	083 26 03
317	Wilkes	031 18 00	032 51 36	083 40 18	084 03 51

STATE NAME: IDAHO

STATE ABBREVIATION: ID

STATE CODE: 16

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Ada	043 05 46	044 48 21	115 58 02	117 30 33
003	Adams	044 27 00	045 16 02	116 04 30	117 52 59
005	Bannock	042 15 43	043 01 33	111 49 06	113 45 11
007	Bear Lake	041 59 44	043 36 44	111 03 12	112 38 51
009	Benewah	047 00 27	047 24 06	116 18 30	117 02 03
011	Bingham	042 51 54	044 37 37	111 35 38	113 01 02
013	Blaine	042 37 38	044 58 47	113 00 58	115 59 12
015	Boise	043 35 12	044 20 05	114 58 13	116 17 07
017	Bonner	047 52 24	049 50 27	116 02 26	117 01 55
019	Bonneville	043 01 27	044 37 40	111 03 11	113 31 59
021	Boundary	048 29 06	049 59 35	116 02 26	117 01 35
023	Butte	043 16 45	044 14 03	112 41 39	114 46 48
025	Camas	043 11 35	044 51 04	114 23 00	115 05 29
027	Canyon	043 17 54	044 53 01	116 28 04	117 01 42
029	Caribou	042 25 17	043 01 31	111 03 25	112 07 18
031	Cassia	041 59 55	043 40 39	113 00 59	114 18 13
033	Clark	043 58 20	045 34 30	111 37 14	113 59 19
035	Clearwater	046 15 40	047 55 46	114 27 07	116 26 18
037	Custer	043 34 09	045 53 00	113 19 27	115 17 47
039	Elmore	042 46 21	044 06 13	114 58 03	116 12 54
041	Franklin	042 00 03	042 26 39	111 31 08	112 07 03
043	Fremont	043 52 50	045 45 54	111 03 25	112 09 20
045	Gem	043 48 17	045 30 37	116 08 07	117 42 00
047	Gooding	042 38 49	043 11 42	114 35 57	115 05 25
049	Idaho	045 06 51	047 39 46	114 19 18	117 46 42
051	Jefferson	043 37 34	044 03 39	111 37 59	113 41 43
053	Jerome	042 30 00	043 51 08	113 55 54	115 37 48
055	Kootenai	047 20 51	048 58 20	116 18 16	117 01 56
057	Latah	046 31 47	047 07 47	116 18 08	117 01 59
059	Lemhi	044 12 59	046 42 29	112 48 47	115 48 04
061	Lewis	045 59 21	046 28 02	115 59 56	117 41 34
063	Lincoln	042 45 56	043 11 55	113 43 18	115 35 59
065	Madison	043 36 31	044 56 01	111 24 30	112 59 29
067	Minidoka	042 31 28	043 11 55	113 24 52	114 55 59
069	Nez Perce	045 51 13	047 37 06	116 20 51	117 02 06

071	Oneida	041 59 53	043 30 37	112 04 59	113 01 11
073	Owyhee	042 00 48	044 40 47	115 03 17	117 01 46
075	Payette	043 47 32	044 08 52	116 26 17	117 58 55
077	Power	042 20 11	043 06 53	112 22 15	113 14 51
079	Shoshone	046 55 06	048 03 21	114 57 12	116 18 31
081	Teton	043 30 12	044 59 18	111 03 25	111 24 42
083	Twin Falls	042 00 31	043 54 54	114 01 34	115 03 44
085	Valley	044 08 39	045 12 03	114 41 40	116 11 56
087	Washington	044 08 26	045 50 44	116 17 37	117 13 53

STATE NAME: ILLINOIS

STATE ABBREVIATION: IL

STATE CODE: 17

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	039 45 31	040 12 28	090 54 35	092 30 14
003	Alexander	037 00 09	037 20 33	089 10 34	090 30 39
005	Bond	038 44 01	039 01 56	089 15 39	090 38 14
007	Boone	042 09 25	043 30 11	088 42 05	089 56 25
009	Brown	039 50 05	040 06 26	090 30 38	091 54 43
011	Bureau	041 08 52	042 35 27	089 09 52	090 51 06
013	Calhoun	038 51 33	039 24 12	090 27 04	091 56 10
015	Carroll	041 55 56	042 12 19	089 41 07	090 19 40
017	Cass	039 52 04	040 07 25	089 59 19	091 35 07
019	Champaign	039 52 41	040 23 31	087 55 45	088 28 42
021	Christian	039 21 00	040 49 43	089 01 43	090 32 29
023	Clark	039 10 05	039 29 08	087 32 14	088 01 11
025	Clay	038 35 43	039 54 53	088 15 03	089 42 18
027	Clinton	038 24 47	039 44 08	089 08 37	090 42 27
029	Coles	039 22 26	040 40 56	087 58 09	088 28 36
031	Cook	041 27 53	042 09 36	087 31 26	088 16 40
033	Crawford	038 51 07	039 10 39	087 31 21	088 57 21
035	Cumberland	039 10 21	039 22 46	088 01 11	088 28 41
037	De Kalb	041 37 48	042 09 35	088 34 53	089 56 40
039	De Witt	040 03 01	040 16 53	088 34 53	089 08 29
041	Douglas	039 38 48	040 52 46	087 56 25	088 28 36
043	Du Page	041 39 59	042 59 24	087 55 24	088 16 40
045	Edgar	039 28 34	040 52 46	087 31 58	088 58 09
047	Edwards	038 14 31	039 33 59	087 56 36	088 09 37
049	Effingham	038 54 43	039 13 03	088 22 10	089 48 14
051	Fayette	038 44 01	039 13 13	088 42 03	089 16 40
053	Ford	040 22 20	041 00 00	087 55 40	088 27 52
055	Franklin	037 51 43	038 07 16	088 42 29	089 10 39
057	Fulton	040 11 13	041 42 49	089 52 07	090 27 11
059	Gallatin	037 34 59	038 54 34	088 01 27	088 22 42
061	Greene	039 06 52	040 31 17	090 08 48	091 38 13
063	Grundy	041 06 08	041 28 08	088 14 42	089 35 36
065	Hamilton	037 54 26	038 15 04	088 22 42	089 42 43
067	Hancock	040 11 43	041 38 13	090 54 03	091 29 54

069	Hardin	037 26 00	038 36 17	088 04 43	088 24 15
071	Henderson	040 37 45	041 04 04	090 47 45	091 11 29
073	Henry	041 09 03	042 35 22	089 49 54	090 26 23
075	Iroquois	040 28 44	041 00 57	087 31 26	088 08 10
077	Jackson	037 34 22	038 57 28	089 09 03	090 40 21
079	Jasper	038 51 06	039 10 31	087 57 12	088 22 12
081	Jefferson	038 07 13	038 28 01	088 42 24	089 08 49
083	Jersey	038 55 27	039 16 00	090 08 48	091 36 48
085	Jo Daviess	042 12 09	043 30 31	089 55 12	091 38 30
087	Johnson	037 18 26	038 36 18	088 42 34	089 03 03
089	Kane	041 43 17	042 09 36	088 14 48	089 35 33
091	Kankakee	041 00 00	041 17 34	087 31 27	088 14 57
093	Kendall	041 27 58	042 43 22	088 15 45	089 35 51
095	Knox	040 42 44	041 09 04	089 59 13	090 26 48
097	Lake	042 09 32	043 30 18	087 46 20	088 12 32
099	La Salle	040 55 34	042 37 53	088 35 16	089 10 01
101	Lawrence	038 33 53	039 51 09	087 30 09	088 55 02
103	Lee	041 35 21	042 55 03	088 55 09	090 38 09
105	Livingston	040 36 17	041 06 30	088 14 43	089 56 04
107	Logan	039 54 58	040 19 28	089 08 19	090 36 10
109	McDonough	040 16 24	041 37 56	090 26 56	091 54 38
111	McHenry	042 09 19	043 30 18	088 12 03	089 42 16
113	McLean	040 16 40	041 44 58	088 27 41	089 16 04
115	Macon	039 38 51	040 03 23	088 44 31	089 13 17
117	Macoupin	039 00 15	040 31 25	089 41 37	090 09 32
119	Madison	038 39 00	039 00 17	089 35 46	090 16 46
121	Marion	038 27 57	039 49 51	088 42 03	089 08 44
123	Marshall	040 55 34	041 08 54	089 02 38	090 38 29
125	Mason	040 02 54	040 25 55	089 35 12	090 21 39
127	Massac	037 04 52	037 20 40	088 29 47	089 56 19
129	Menard	039 53 58	040 09 28	089 34 58	090 59 28
131	Mercer	041 03 52	041 19 37	090 26 15	091 05 28
133	Monroe	038 05 17	039 30 11	089 54 11	090 23 47
135	Montgomery	039 00 12	040 31 25	089 08 21	090 42 17
137	Morgan	039 31 13	040 52 06	089 55 16	091 36 16
139	Moultrie	039 26 35	040 47 32	088 28 26	089 49 01
141	Ogle	041 53 27	042 12 23	088 56 18	090 41 08
143	Peoria	040 30 42	041 58 40	089 26 44	090 59 32
145	Perry	037 57 17	038 13 15	089 07 08	090 35 20
147	Piatt	039 47 22	040 16 53	088 27 44	089 44 53
149	Pike	039 23 48	040 50 13	090 34 59	091 21 40
151	Pope	037 04 52	038 36 18	088 24 06	089 42 39
153	Pulaski	037 04 05	037 20 33	088 55 42	089 16 19

155	Putnam	041 06 20	041 19 07	089 09 49	089 27 58
157	Randolph	037 48 15	038 13 12	089 35 12	090 12 27
159	Richland	038 33 58	039 51 14	087 54 43	088 18 18
161	Rock Island	041 19 36	042 47 39	090 09 30	091 03 51
163	St Clair	038 13 08	039 39 04	089 42 18	090 16 07
165	Saline	037 36 07	038 54 30	088 22 41	089 42 39
167	Sangamon	039 31 16	040 58 44	089 13 14	090 59 42
169	Schuyler	039 58 22	040 16 39	090 12 00	091 54 41
171	Scott	039 31 13	040 47 11	090 17 53	091 39 12
173	Shelby	039 12 48	040 39 05	088 28 27	089 08 26
175	Stark	040 58 38	041 14 31	089 38 14	090 59 16
177	Stephenson	042 12 09	043 30 22	089 23 30	090 55 23
179	Tazewell	040 19 05	041 45 05	089 15 57	090 55 16
181	Union	037 20 27	038 36 22	089 02 47	090 31 17
183	Vermilion	039 51 57	040 28 52	087 31 52	088 56 33
185	Wabash	038 16 15	039 34 00	087 39 45	088 58 06
187	Warren	040 37 28	041 03 55	090 26 22	091 47 47
189	Washington	038 12 46	039 30 52	089 08 39	090 42 27
191	Wayne	038 14 54	039 35 47	088 09 24	089 42 28
193	White	037 54 10	038 15 04	087 55 05	088 22 54
195	Whiteside	041 35 10	042 56 15	089 37 56	090 14 21
197	Will	041 12 08	042 43 27	087 31 26	088 16 22
199	Williamson	037 36 12	038 51 52	088 42 36	089 09 10
201	Winnebago	042 09 21	043 30 13	088 56 21	089 23 39
203	Woodford	040 35 23	041 55 44	088 55 51	090 33 19

STATE NAME: INDIANA

STATE ABBREVIATION: IN

STATE CODE: 18

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	040 34 06	041 55 55	084 48 23	085 05 43
003	Allen	040 55 12	041 16 49	084 48 07	085 21 07
005	Bartholomew	039 02 33	039 20 38	085 41 44	086 04 13
007	Benton	040 28 22	041 43 58	087 05 15	088 32 00
009	Blackford	040 22 25	041 34 05	085 12 47	085 27 42
011	Boone	039 55 12	040 10 35	086 14 29	087 41 04
013	Brown	039 02 57	039 20 31	086 04 10	086 22 00
015	Carroll	040 25 25	041 44 06	086 21 42	087 45 38
017	Cass	040 33 23	041 54 26	086 10 18	087 34 55

019	Clark	038 16 26	039 36 46	085 25 50	086 00 39
021	Clay	039 10 13	040 36 08	086 56 37	087 14 39
023	Clinton	040 10 29	040 25 44	C86 14 29	087 41 04
025	Crawford	038 07 02	038 25 23	086 15 01	087 40 40
027	Daviess	038 30 06	039 54 31	086 53 54	087 16 01
029	Dearborn	038 56 20	039 18 46	C84 49 20	085 08 45
031	Decatur	C39 07 48	039 27 16	085 18 08	086 41 44
033	De Kalb	041 16 38	042 32 26	084 47 52	085 12 38
035	Delaware	040 04 27	040 22 32	085 13 39	086 35 33
037	Dubois	038 12 01	039 31 26	086 40 36	087 04 43
039	Elkhart	041 26 11	042 46 21	085 39 49	086 03 35
041	Fayette	039 31 14	040 46 55	085 02 38	085 18 23
043	Floyd	038 10 48	038 25 22	085 45 13	086 02 21
045	Fountain	039 56 56	040 23 39	087 05 02	087 26 11
047	Franklin	039 16 04	040 31 41	084 49 23	085 18 22
049	Fulton	040 54 24	041 10 31	085 56 08	086 27 47
051	Gibson	038 09 54	039 31 45	C87 19 12	088 58 24
053	Grant	040 22 28	041 39 22	085 27 20	086 52 00
055	Greene	038 54 09	039 10 24	086 40 17	087 14 41
057	Hamilton	039 55 04	040 12 43	085 51 48	086 14 31
059	Hancock	039 41 25	040 55 58	085 35 20	086 57 08
061	Harrison	037 59 03	038 25 22	085 53 37	086 17 51
063	Hendricks	039 36 00	040 55 12	086 18 57	087 40 55
065	Henry	039 46 37	040 04 32	085 12 15	086 36 30
067	Howard	040 22 15	041 33 30	085 51 57	086 21 55
069	Huntington	040 39 06	041 00 43	085 21 03	086 39 14
071	Jackson	038 43 42	039 04 40	085 47 45	086 18 19
073	Jasper	040 43 50	041 17 22	086 55 27	087 16 50
075	Jay	040 18 30	041 34 14	084 48 36	085 13 44
077	Jefferson	038 34 58	039 55 05	085 12 05	086 41 18
079	Jennings	038 48 04	039 11 25	085 26 56	086 47 47
081	Johnson	039 20 27	040 37 43	085 56 56	086 14 22
083	Knox	038 26 13	039 54 38	087 06 20	088 45 03
085	Kosciusko	041 02 27	041 26 20	085 39 49	086 04 55
087	Lagrange	041 32 17	042 46 40	085 12 32	086 39 59
089	Lake	041 09 59	042 44 24	087 13 09	088 31 49
091	La Port	041 14 19	042 46 17	086 28 51	087 55 40
093	Lawrence	038 41 06	039 59 37	086 15 57	087 40 25
095	Madison	039 55 53	040 22 30	085 35 20	086 51 58
097	Marion	039 37 34	040 55 19	085 56 04	086 19 06
099	Marshall	041 10 16	041 28 53	C86 03 25	086 27 47
101	Martin	038 29 28	039 54 19	086 40 17	087 55 27
103	Miami	040 33 22	041 00 33	085 51 57	086 10 39

105	Monroe	038 59 23	039 20 40	086 18 08	087 40 27
107	Montgomery	039 51 50	040 12 59	086 40 39	087 05 11
109	Morgan	039 20 14	040 37 46	086 14 20	087 40 34
111	Newton	040 43 46	041 12 59	087 15 40	088 31 46
113	Noble	041 16 38	042 32 38	085 12 24	086 39 59
115	Ohio	038 54 12	039 01 45	084 51 09	085 08 57
117	Orange	038 23 52	039 41 08	086 18 13	087 40 37
119	Owen	039 10 12	039 28 22	086 36 42	087 02 58
121	Parke	039 36 06	040 57 11	087 00 30	087 24 55
123	Perry	037 51 09	038 15 28	086 26 42	087 48 31
125	Pike	038 13 51	039 32 53	087 04 32	087 28 05
127	Porter	041 13 18	042 42 58	086 55 27	087 13 15
129	Posey	037 47 26	038 14 31	087 41 07	088 06 15
131	Pulaski	040 54 18	041 10 16	086 27 45	087 55 28
133	Putnam	039 28 18	040 51 55	086 37 52	087 00 46
135	Randolph	040 00 40	040 18 57	084 48 52	085 14 00
137	Ripley	038 54 47	039 18 34	085 05 13	085 27 07
139	Rush	039 27 12	040 46 49	085 18 07	086 37 58
141	St Joseph	041 25 55	042 46 12	086 03 33	087 31 20
143	Scott	038 33 52	039 49 58	085 34 21	086 52 38
145	Shelby	039 20 32	040 41 32	085 37 45	086 57 10
147	Spencer	037 47 39	038 12 19	086 45 29	087 18 47
149	Starke	041 10 09	041 26 06	086 27 40	087 55 28
151	Steuben	041 32 17	042 46 51	084 47 45	085 12 38
153	Sullivan	038 54 27	039 15 48	087 14 27	088 40 26
155	Switzerland	038 41 03	039 55 39	084 47 56	085 12 25
157	Tippecanoe	040 12 50	041 33 32	086 40 53	087 05 19
159	Tipton	040 12 35	040 24 17	085 51 48	086 14 41
161	Union	039 31 21	040 44 48	084 49 14	085 02 44
163	Vanderburgh	037 49 46	038 09 57	087 27 26	088 42 07
165	Vermillion	039 36 20	040 08 55	087 21 25	088 32 15
167	Vigo	039 15 43	040 36 29	087 12 02	088 37 09
169	Wabash	040 38 52	041 02 30	085 39 01	086 56 18
171	Warren	040 07 30	040 28 25	087 05 15	088 31 53
173	Warrick	037 54 25	038 14 58	087 01 06	087 28 44
175	Washington	038 25 10	038 47 02	085 50 54	086 18 17
177	Wayne	039 42 28	040 01 00	084 49 14	085 13 58
179	Wells	040 34 04	041 55 20	085 05 21	085 27 25
181	White	040 33 20	041 54 42	086 34 42	087 05 36
183	Whitley	041 00 34	041 18 20	085 19 04	086 41 57

STATE NAME: IOWA

STATE ABBREVIATION: IA

STATE CODE: 19

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adair	041 09 40	042 30 18	094 14 44	095 42 43
003	Adams	040 54 13	041 09 44	094 29 03	095 55 54
005	Allamakee	043 04 59	044 30 57	091 03 29	092 36 29
007	Appanoose	040 36 09	041 54 09	092 37 56	093 06 17
009	Audubon	041 30 08	042 51 54	094 42 43	095 06 23
011	Benton	041 52 11	042 18 20	091 49 20	092 17 02
013	Black Hawk	042 18 06	043 38 50	092 03 37	093 33 08
015	Boone	041 51 41	042 12 42	093 42 01	094 10 18
017	Bremer	042 38 34	043 54 40	092 04 41	093 33 05
019	Buchanan	042 18 08	043 38 51	091 34 55	092 04 52
021	Buena Vista	042 33 30	043 55 17	094 55 10	095 23 45
023	Butler	042 33 43	043 54 38	092 32 52	093 01 29
025	Calhoun	042 12 30	043 33 30	094 24 08	095 55 16
027	Carroll	041 51 41	042 12 33	094 37 46	095 06 23
029	Cass	041 09 26	042 30 14	094 42 26	095 09 56
031	Cedar	041 35 59	042 57 33	090 52 29	091 21 15
033	Cerro Gordo	042 54 36	043 15 43	093 01 29	094 30 26
035	Cherokee	042 33 20	043 54 44	095 23 43	096 51 30
037	Chickasaw	042 54 38	043 13 17	092 04 29	093 33 19
039	Clarke	040 54 13	041 09 59	093 33 44	094 01 07
041	Clay	042 54 44	043 15 51	094 55 12	095 23 45
043	Clayton	042 38 41	043 05 16	090 52 25	092 35 51
045	Clinton	041 43 42	042 02 21	090 08 08	091 52 55
047	Crawford	041 51 35	042 12 18	095 06 02	096 40 36
049	Dallas	041 30 18	042 51 51	093 48 08	094 17 20
051	Davis	040 36 18	041 54 20	092 10 10	093 37 57
053	Decatur	040 35 58	041 54 14	093 33 53	094 01 01
055	Delaware	042 18 06	043 38 51	091 06 58	092 35 50
057	Des Moines	040 42 31	041 05 16	090 56 50	091 21 21
059	Dickinson	043 15 49	044 30 20	094 55 08	095 23 38
061	Dubuque	042 17 57	043 40 49	090 29 03	091 07 29
063	Emmet	043 15 49	044 30 19	094 27 02	095 55 16
065	Fayette	042 38 50	043 05 20	091 35 47	092 04 52
067	Floyd	042 54 36	043 13 36	092 33 05	093 01 41
069	Franklin	042 33 43	043 54 49	093 01 24	094 30 07

071	Fremont	040 36 19	041 54 36	095 22 22	096 52 28
073	Greene	041 51 51	042 12 42	094 09 49	095 38 15
075	Grundy	042 12 49	043 33 45	092 31 33	093 01 24
077	Guthrie	041 30 14	042 52 02	094 14 35	095 45 27
079	Hamilton	042 12 25	043 33 43	093 27 55	094 58 04
081	Hancock	042 54 49	043 15 43	093 30 02	094 58 21
083	Hardin	042 12 35	043 33 43	092 59 47	094 30 07
085	Harrison	041 30 14	042 51 40	095 29 29	096 07 48
087	Henry	040 48 54	041 10 21	091 21 16	092 42 17
089	Howard	043 13 13	044 30 35	092 04 47	093 33 19
091	Humboldt	042 38 32	043 55 09	093 58 12	094 26 30
093	Ida	042 12 06	043 33 45	095 20 05	096 44 33
095	Iowa	041 31 05	042 52 25	091 48 56	092 17 16
097	Jackson	042 02 11	042 23 30	090 09 04	091 52 32
099	Jasper	041 30 28	042 52 08	092 44 38	093 21 07
101	Jefferson	040 54 17	041 10 13	091 41 59	092 10 10
103	Johnson	041 25 34	042 52 11	091 20 55	092 49 33
105	Jones	041 57 25	042 18 12	090 52 24	091 21 15
107	Keokuk	041 10 08	042 31 18	091 55 37	092 24 35
109	Kossuth	042 55 02	044 30 32	093 58 16	094 27 16
111	Lee	040 22 41	041 49 27	091 06 38	092 42 17
113	Linn	041 52 10	042 18 20	091 21 01	092 49 28
115	Louisa	041 04 58	041 25 44	090 57 01	091 28 21
117	Lucas	040 54 09	041 09 58	093 06 17	094 33 53
119	Lyon	043 15 27	044 30 15	095 51 32	097 35 33
121	Madison	041 09 47	042 30 34	093 48 08	094 14 54
123	Mahaska	041 10 06	042 31 14	092 23 47	093 51 32
125	Marion	041 09 50	042 30 59	092 51 29	093 20 09
127	Marshall	041 51 51	042 12 53	092 45 45	093 14 04
129	Mills	040 54 00	041 09 34	095 22 49	096 52 55
131	Mitchell	043 13 17	044 30 35	092 33 00	093 01 41
133	Monona	041 51 35	042 12 31	095 40 16	096 20 39
135	Monroe	040 54 04	041 10 08	092 37 56	093 06 29
137	Montgomery	040 54 00	041 09 34	094 55 53	095 22 52
139	Muscatine	041 20 31	042 36 20	090 45 52	091 21 13
141	O Brien	042 54 39	043 15 51	095 23 38	096 51 32
143	Osceola	043 15 46	044 30 22	095 23 27	096 51 36
145	Page	040 36 00	041 54 13	094 55 03	095 22 59
147	Palo Alto	042 55 09	043 15 49	094 26 30	095 55 16
149	Plymouth	042 32 49	043 54 39	095 51 22	097 36 27
151	Pocahontas	042 33 09	043 55 17	094 26 29	095 55 12
153	Polk	041 29 27	042 51 42	093 20 03	094 49 08
155	Pottawattamie	041 09 28	042 30 21	095 09 40	096 00 24

157	Poweshiek	041 31 01	042 52 25	092 16 13	093 45 51
159	Ringgold	040 35 42	041 54 13	094 01 01	094 29 03
161	Sac	042 12 12	043 33 45	094 51 43	095 23 43
163	Scott	041 27 27	042 47 49	090 19 10	091 53 02
165	Shelby	041 30 08	042 51 41	095 03 18	096 33 25
167	Sioux	042 54 14	043 15 46	095 51 22	097 33 47
169	Story	041 51 40	042 12 36	093 13 54	094 42 11
171	Tama	041 52 08	042 18 13	092 16 59	093 45 49
173	Taylor	040 35 30	041 54 13	094 28 56	095 55 56
175	Union	040 54 13	041 09 47	094 01 01	094 29 07
177	Van Buren	040 36 53	041 54 20	091 42 14	092 10 18
179	Wapello	040 54 04	041 10 14	092 10 00	093 38 10
181	Warren	041 09 48	042 30 59	093 19 57	094 48 15
183	Washington	041 10 11	042 31 13	091 27 53	092 55 41
185	Wayne	040 36 01	041 54 14	093 06 01	094 34 05
187	Webster	042 12 35	043 38 39	093 55 41	094 26 38
189	Winnebago	043 15 35	043 30 43	093 30 09	094 58 28
191	Winneshiek	043 05 16	044 30 41	091 35 51	092 04 49
193	Woodbury	042 12 06	043 33 25	095 40 16	096 28 13
195	Worth	043 15 30	044 30 37	093 01 30	094 30 26
197	Wright	042 33 29	043 55 02	093 30 02	094 58 16

STATE NAME: KANSAS

STATE ABBREVIATION: KS

STATE CODE: 20

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Allen	037 43 55	038 02 12	095 05 16	096 32 16
003	Anderson	038 01 59	038 23 45	095 04 48	096 32 04
005	Atchison	039 25 04	040 39 20	094 57 19	096 34 48
007	Barber	036 59 53	037 27 40	098 21 09	099 01 15
009	Barton	038 15 01	039 41 45	098 28 28	099 02 01
011	Bourbon	037 40 18	038 02 48	094 37 20	095 06 01
013	Brown	039 39 05	040 00 51	095 20 48	096 47 52
015	Butler	037 27 22	038 04 22	096 31 56	097 10 11
017	Chase	038 04 04	039 30 42	096 21 19	097 51 46
019	Chautauqua	037 00 10	037 17 27	095 58 30	097 32 01
021	Cherokee	037 00 40	037 20 36	094 38 00	095 05 24
023	Cheyenne	039 34 10	040 00 41	101 24 18	102 03 24
025	Clark	036 59 50	037 28 03	099 33 02	100 05 50
027	Clay	039 07 14	040 33 03	096 57 35	097 22 15

029	Cloud	039 17 30	040 38 23	097 22 09	098 55 56
031	Coffey	038 02 02	038 26 08	095 31 13	096 57 53
033	Comanche	036 59 50	037 22 09	099 00 42	100 33 13
035	Cowley	036 59 46	037 27 35	096 31 55	097 10 18
037	Crawford	037 20 34	038 40 41	094 37 38	095 06 04
039	Decatur	039 34 27	040 00 17	100 10 29	101 43 57
041	Dickinson	038 35 46	039 07 17	096 53 04	097 24 00
043	Doniphan	039 36 14	040 01 11	094 52 08	095 21 13
045	Douglas	038 44 19	039 04 47	095 04 34	096 30 57
047	Edwards	037 43 18	038 05 07	099 00 52	100 34 15
049	Elk	037 17 15	038 35 33	095 58 13	097 31 58
051	Ellis	038 41 17	039 08 13	099 02 01	100 35 55
053	Ellsworth	038 30 59	039 52 20	097 55 26	098 29 22
055	Finney	037 44 06	038 15 57	100 13 32	101 06 30
057	Ford	037 27 41	038 54 40	099 33 31	100 13 45
059	Franklin	038 23 33	039 44 24	095 04 34	096 31 17
061	Geary	038 51 14	039 12 39	096 29 55	097 57 49
063	Gove	038 41 45	039 08 32	100 09 00	101 48 22
065	Graham	039 08 13	040 34 30	099 35 55	100 09 45
067	Grant	037 23 29	038 44 26	101 05 05	102 31 21
069	Gray	037 28 14	038 00 24	100 12 33	101 38 58
071	Greeley	038 15 14	039 41 56	101 33 49	102 03 08
073	Greenwood	037 35 12	038 10 21	095 57 43	097 32 10
075	Hamilton	037 44 11	038 15 34	101 31 21	102 03 03
077	Harper	036 59 52	037 22 35	097 48 28	098 21 09
079	Harvey	037 54 06	038 09 59	097 10 02	098 42 04
081	Haskell	037 23 16	038 44 08	100 38 23	101 05 22
083	Hodgeman	037 54 39	038 15 39	099 33 48	100 14 03
085	Jackson	039 13 02	040 39 19	095 34 34	096 02 40
087	Jefferson	039 02 29	039 25 10	095 11 44	096 36 24
089	Jewell	039 33 20	040 00 33	097 55 53	099 30 46
091	Johnson	038 44 24	039 04 13	094 36 47	095 04 42
093	Kearny	037 44 08	038 15 49	101 05 05	102 32 21
095	Kingman	037 22 34	038 43 36	097 48 20	098 28 03
097	Kiowa	037 22 06	038 43 33	099 00 52	100 33 53
099	Labette	037 00 40	037 23 23	095 05 13	096 32 13
101	Lane	038 15 34	039 41 56	100 14 03	101 40 33
103	Leavenworth	038 57 41	039 25 31	094 48 36	095 12 04
105	Lincoln	038 51 51	039 12 47	097 55 52	098 29 22
107	Linn	038 01 59	038 23 47	094 36 51	095 05 16
109	Logan	038 42 01	039 08 33	100 48 03	101 28 39
111	Lyon	038 09 27	039 43 36	095 57 29	096 21 47
113	McPherson	038 09 43	039 36 04	097 22 23	098 55 37

115	Marion	038 04 20	039 35 56	096 49 47	097 22 46
117	Marshall	039 33 17	040 00 19	096 13 57	097 48 54
119	Meade	036 59 56	037 28 16	100 05 09	101 38 41
121	Miami	038 23 45	039 44 25	094 36 47	095 04 48
123	Mitchell	039 12 46	040 33 47	097 55 52	098 29 18
125	Montgomery	037 00 49	037 23 23	095 31 54	096 58 38
127	Morris	038 30 23	039 51 30	096 21 19	097 55 39
129	Morton	036 59 50	037 23 20	101 33 11	102 02 54
131	Nemaha	039 33 16	040 00 18	095 47 27	096 14 21
133	Neosho	037 22 55	038 44 01	095 05 53	096 32 16
135	Ness	038 15 34	039 41 46	099 34 42	100 14 35
137	Norton	039 34 14	040 00 11	099 37 23	100 10 50
139	Osage	038 25 29	039 52 10	095 30 54	096 57 53
141	Osborne	039 07 35	040 33 51	098 29 15	099 02 30
143	Ottawa	038 56 49	039 17 30	097 22 14	098 55 56
145	Pawnee	037 59 50	038 21 10	098 54 42	100 34 43
147	Phillips	039 33 54	040 00 11	099 03 41	100 37 53
149	Pottawatomie	039 07 26	040 33 27	096 02 06	097 42 48
151	Pratt	037 27 38	038 49 06	098 27 57	099 01 10
153	Rawlins	039 34 38	040 00 31	100 43 45	101 24 33
155	Reno	037 43 15	038 10 10	097 42 04	098 27 59
157	Republic	039 38 17	040 00 33	097 22 14	098 56 40
159	Rice	038 09 09	039 31 00	097 55 26	098 28 46
161	Riley	039 03 04	040 33 27	096 23 05	097 57 53
163	Rooks	039 08 07	040 34 05	099 02 18	100 36 11
165	Rush	038 20 27	039 41 29	099 01 58	100 34 57
167	Russell	038 41 29	039 08 07	098 29 14	099 02 18
169	Saline	038 35 56	039 56 50	097 22 21	098 55 58
171	Scott	038 15 36	039 42 06	100 40 20	101 07 43
173	Sedgwick	037 27 22	038 54 06	097 10 05	098 48 36
175	Seward	036 59 56	037 23 29	100 37 17	101 04 04
177	Shawnee	038 51 53	039 13 09	095 30 45	096 02 40
179	Sheridan	039 08 22	040 34 35	100 09 25	101 42 51
181	Sherman	039 08 02	040 34 42	101 22 49	102 03 19
183	Smith	039 33 44	040 00 16	098 30 02	099 04 12
185	Stafford	037 49 02	038 15 24	098 27 59	099 01 24
187	Stanton	037 23 14	038 44 26	101 31 15	102 02 49
189	Stevens	037 59 59	037 23 30	101 04 04	102 33 17
191	Sumner	036 59 51	037 27 24	097 10 11	098 48 40
193	Thomas	039 08 22	040 34 42	100 42 45	101 22 55
195	Trego	038 41 28	039 08 32	099 35 43	100 09 25
197	Wabaunsee	038 43 34	039 11 37	095 56 53	097 30 16
199	Wallace	038 41 38	039 08 21	101 28 24	102 03 19

201	Washington	039 33 00	040 00 19	096 48 43	097 22 28
203	Wichita	038 15 28	039 42 04	101 07 34	102 33 50
205	Wilson	037 23 18	038 43 55	095 32 13	096 58 14
207	Woodson	037 43 38	038 02 12	095 32 04	096 57 56
209	Wyandotte	039 00 46	039 12 54	094 35 06	095 55 21

STATE NAME: KENTUCKY

STATE ABBREVIATION: KY

STATE CODE: 21

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adair	036 55 44	037 16 14	085 04 04	086 32 32
003	Allen	036 37 55	037 56 25	085 57 04	086 25 04
005	Anderson	037 53 06	038 07 55	084 48 53	085 10 46
007	Ballard	036 56 21	037 14 36	088 48 48	089 11 33
009	Barren	036 43 54	037 10 36	085 44 37	086 10 05
011	Bath	038 00 15	038 18 08	083 27 26	084 58 21
013	Bell	036 35 01	037 57 35	083 26 57	084 01 53
015	Boone	038 46 32	039 08 02	084 35 34	085 53 47
017	Bourbon	038 03 30	038 22 31	083 57 47	084 25 54
019	Boyd	038 14 11	039 31 13	082 33 52	083 48 11
021	Boyle	037 31 29	038 43 08	084 39 10	085 02 49
023	Bracken	038 32 37	039 50 18	083 54 05	084 13 55
025	Breathitt	037 20 15	038 41 56	082 57 02	084 34 40
027	Breckinridge	037 34 28	038 03 01	086 09 21	087 40 36
029	Bullitt	037 48 25	038 07 16	085 25 25	086 55 00
031	Butler	037 00 43	037 23 52	086 23 33	087 56 02
033	Caldwell	036 56 37	037 22 31	087 40 39	088 05 08
035	Calloway	036 30 21	037 45 13	088 02 17	088 29 03
037	Campbell	038 48 15	039 07 25	084 13 46	085 30 30
039	Carlisle	036 46 39	037 57 52	088 48 32	089 08 48
041	Carroll	038 34 00	039 45 48	084 55 38	085 20 12
043	Carter	038 10 30	039 30 55	082 45 07	083 18 55
045	Casey	037 02 55	038 33 17	084 42 13	085 11 31
047	Christian	036 38 12	037 09 31	087 15 42	088 43 35
049	Clark	037 49 56	038 07 01	083 57 41	084 20 14
051	Clay	036 57 29	037 21 00	083 28 31	084 58 20
053	Clinton	036 37 16	037 53 46	084 57 52	085 17 44
055	Crittenden	037 07 29	038 32 23	087 47 56	088 22 14
057	Cumberland	037 37 26	037 56 44	085 13 10	086 36 28
059	Daviess	037 33 21	038 55 58	086 49 09	087 24 17
061	Edmonson	037 03 05	037 20 19	086 03 14	086 27 09
063	Elliott	037 59 38	038 15 50	082 53 11	083 18 18
065	Estill	037 33 19	038 50 59	083 43 49	084 07 39
067	Fayette	037 51 02	038 12 21	084 16 20	085 39 31
069	Fleming	038 11 55	039 31 39	083 27 05	084 56 57

071	Floyd	037 17 31	038 45 27	082 33 28	083 56 24
073	Franklin	038 05 05	038 21 21	084 43 26	085 01 15
075	Fulton	036 29 55	037 44 46	088 50 50	089 24 09
077	Gallatin	038 38 14	039 51 53	084 39 00	085 02 12
079	Garrard	037 28 01	038 49 39	084 20 52	085 44 01
081	Grant	038 28 52	039 47 41	084 28 01	085 46 13
083	Graves	036 30 16	037 56 57	088 29 00	089 48 50
085	Grayson	037 19 32	038 37 38	086 01 40	087 40 50
087	Green	037 06 34	037 28 29	085 22 05	086 42 15
089	Greenup	038 22 43	039 45 33	082 38 45	083 09 14
091	Hancock	037 40 14	038 59 40	086 38 04	087 58 56
093	Hardin	037 26 22	038 00 52	085 41 31	086 16 35
095	Harlan	036 39 55	037 01 48	082 50 58	084 30 17
097	Harrison	038 16 25	039 34 54	084 06 06	085 33 28
099	Hart	037 09 22	037 26 24	085 40 15	086 10 29
101	Henderson	037 38 08	038 57 49	087 16 19	088 54 44
103	Henry	038 19 36	039 35 00	084 51 37	085 21 05
105	Hickman	036 30 21	037 47 32	088 48 44	089 09 54
107	Hopkins	037 06 38	038 33 59	087 17 45	088 50 45
109	Jackson	037 15 34	038 35 14	083 47 16	084 12 45
111	Jefferson	038 00 13	038 22 40	085 24 34	086 57 41
113	Jessamine	037 43 46	038 00 07	084 25 54	085 43 22
115	Johnson	037 42 45	038 59 47	082 36 48	083 00 07
117	Kenton	038 46 37	039 06 16	084 23 42	085 37 39
119	Knott	037 11 27	038 32 03	082 42 17	083 07 54
121	Knox	036 42 53	037 01 47	083 33 40	084 07 22
123	Larue	037 26 23	038 43 33	085 28 05	086 54 37
125	Laurel	036 55 52	037 20 04	083 51 20	084 21 31
127	Lawrence	037 52 40	038 16 08	082 27 55	083 01 30
129	Lee	037 29 22	038 43 22	083 29 25	084 52 52
131	Leslie	036 53 45	037 19 26	083 09 46	084 32 48
133	Letcher	036 57 47	037 16 32	082 33 07	083 09 07
135	Lewis	038 18 52	039 43 44	083 00 59	084 38 38
137	Lincoln	037 14 38	038 38 23	084 27 05	085 51 55
139	Livingston	036 58 38	037 26 01	088 11 56	089 32 59
141	Logan	036 38 44	037 04 12	086 36 16	087 03 59
143	Lyon	036 51 48	037 10 22	087 52 06	088 14 05
145	McCracken	036 56 46	037 14 09	088 28 59	089 55 55
147	McCreary	036 35 27	037 56 56	084 12 41	085 43 51
149	McLean	037 23 03	038 40 36	087 02 51	088 30 43
151	Madison	037 31 12	038 55 07	084 04 41	085 31 27
153	Magoffin	037 29 21	038 54 03	082 52 24	083 15 41
155	Marion	037 25 45	038 43 40	085 02 00	086 31 07

157	Marshall	036 44 43	037 03 13	088 06 21	088 29 03
159	Martin	037 40 14	038 57 36	082 18 41	083 39 47
161	Mason	038 28 07	039 46 25	083 37 28	084 59 02
163	Meade	037 49 30	038 12 18	085 57 33	086 29 16
165	Menifee	037 49 21	038 03 52	083 25 42	084 47 10
167	Mercer	037 40 38	038 58 04	084 41 29	085 01 43
169	Metcalfe	036 49 37	037 11 00	085 27 22	086 46 28
171	Monroe	036 37 15	037 50 29	085 27 01	086 58 06
173	Montgomery	037 53 53	038 11 29	083 43 48	084 04 34
175	Morgan	037 43 26	038 04 40	082 57 28	084 30 30
177	Muhlenberg	037 02 13	037 24 45	086 52 56	087 23 20
179	Nelson	037 32 03	038 01 31	085 09 37	086 46 07
181	Nicholas	038 12 28	039 27 23	083 49 14	084 11 48
183	Ohio	037 13 01	038 44 00	086 35 16	087 07 48
185	Oldham	038 16 44	039 31 42	085 16 24	086 38 31
187	Owen	038 19 48	039 41 10	084 34 14	085 04 28
189	Owsley	037 15 47	038 31 40	083 30 42	084 53 24
191	Pendleton	038 31 55	039 52 16	084 11 53	085 31 12
193	Perry	036 59 54	037 26 50	082 59 52	084 32 16
195	Pike	037 11 55	038 44 41	081 57 56	083 43 52
197	Powell	037 43 00	038 56 02	083 37 37	084 01 06
199	Pulaski	036 52 31	037 21 57	084 16 14	085 52 58
201	Robertson	038 25 46	039 36 13	083 54 21	084 10 50
203	Rockcastle	037 08 32	038 32 07	084 08 08	084 29 58
205	Rowan	038 01 04	038 24 22	083 12 38	084 36 27
207	Russell	036 49 53	037 08 58	084 50 13	085 16 04
209	Scott	038 06 02	038 29 09	084 23 24	085 44 32
211	Shelby	038 02 04	038 20 44	084 57 21	085 27 36
213	Simpson	036 38 06	037 53 12	086 23 02	087 45 39
215	Spencer	037 56 13	038 08 29	085 06 07	086 30 23
217	Taylor	037 10 37	037 29 03	085 03 56	086 36 38
219	Todd	036 38 30	037 03 23	087 03 04	087 19 29
221	Trigg	036 38 16	037 00 12	087 39 53	088 09 08
223	Trimble	038 29 21	039 44 26	085 10 42	085 27 32
225	Union	037 27 55	038 54 30	087 43 37	088 09 43
227	Warren	036 46 34	037 11 28	086 07 00	087 40 26
229	Washington	037 38 04	038 55 12	085 00 23	085 23 45
231	Wayne	036 36 37	037 59 48	084 34 45	085 03 34
233	Webster	037 20 47	038 38 24	087 22 21	088 56 32
235	Whitley	036 35 25	037 58 17	083 50 50	084 21 35
237	Wolfe	037 37 29	038 52 13	083 14 48	084 42 08
239	Woodford	037 50 46	038 11 18	084 37 22	085 52 36

STATE NAME: LOUISIANA

STATE ABBREVIATION: LA

STATE CODE: 22

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Acadia	030 03 29	030 29 11	092 08 25	093 37 29
003	Allen	030 25 44	031 54 14	092 35 14	093 07 48
005	Ascension	030 03 27	030 21 06	090 38 05	091 07 54
007	Assumption	029 37 49	030 04 43	090 53 40	091 16 03
009	Avoyelles	030 50 48	031 21 00	091 40 19	092 19 45
011	Beauregard	030 24 37	031 53 12	092 58 00	094 44 25
013	Bienville	032 08 56	033 35 17	092 46 04	093 25 08
015	Bossier	032 14 30	033 01 22	093 21 16	094 50 06
017	Caddo	032 12 08	033 02 13	093 28 05	094 03 06
019	Calcasieu	030 02 12	030 29 42	092 52 34	094 45 32
021	Caldwell	031 55 15	032 16 51	091 52 26	092 18 56
023	Cameron	029 35 44	030 04 07	092 36 54	094 55 57
025	Catahoula	031 14 05	032 58 27	091 32 12	092 01 23
027	Claiborne	032 35 13	033 01 12	092 43 32	093 14 24
029	Concordia	031 01 09	032 45 41	091 21 49	092 51 39
031	De Soto	031 50 43	032 21 19	093 22 10	094 03 21
033	East Baton Rouge	030 18 50	031 43 27	090 50 31	091 19 14
035	East Carroll	032 32 46	033 00 17	091 01 02	091 27 15
037	East Feliciana	030 41 10	031 59 55	090 50 21	091 18 49
039	Evangeline	030 28 54	031 00 47	092 10 13	093 37 30
041	Franklin	031 52 23	032 24 56	091 27 53	092 55 34
043	Grant	031 23 34	032 47 55	092 11 57	093 57 24
045	Iberia	029 44 29	030 08 09	091 14 03	092 59 48
047	Iberville	030 01 18	030 29 54	091 01 10	092 41 10
049	Jackson	032 08 51	032 29 57	092 18 54	093 49 00
051	Jefferson	029 11 36	030 04 02	089 58 48	090 16 24
053	Jefferson Davis	030 02 12	030 29 24	092 35 10	093 07 48
055	Lafayette	030 02 27	030 23 25	091 54 12	092 17 26
057	Lafourche	029 05 51	030 55 13	090 04 48	091 01 00
059	La Salle	031 20 38	032 55 20	092 00 31	092 22 20
061	Lincoln	032 27 30	033 45 48	092 25 02	093 52 45
063	Livingston	030 11 01	031 39 00	090 25 04	091 58 47
065	Madison	032 12 14	033 33 59	090 54 33	092 32 52
067	Morehouse	032 31 07	033 00 36	091 26 28	092 05 19
069	Natchitoches	031 20 56	032 08 59	092 42 43	093 26 10

071	Orleans	029 51 46	030 10 41	089 39 00	090 08 40
073	Ouachita	032 15 50	033 43 43	091 54 34	092 25 06
075	Plaquemines	028 58 48	030 53 37	089 01 44	090 04 45
077	Pointe Coupee	030 28 27	031 02 56	091 20 21	092 49 40
079	Rapides	030 53 35	032 31 02	092 04 38	093 58 01
081	Red River	031 54 07	032 14 37	093 07 37	094 34 21
083	Richland	032 08 56	033 40 01	091 27 12	092 02 27
085	Sabine	031 11 53	032 51 25	093 14 03	094 52 30
087	St Bernard	029 39 15	030 10 15	089 09 53	090 00 33
089	St Charles	029 41 24	030 07 20	090 09 35	091 33 12
091	St Helena	030 38 54	031 59 50	090 33 56	091 54 19
093	St James	029 53 26	030 09 42	090 38 35	091 56 47
095	St John the Baptist	029 53 16	030 18 30	090 20 55	091 41 18
097	St Laudry	030 18 50	031 50 51	091 41 23	092 29 15
099	St Martin	029 43 05	030 29 34	091 06 33	092 59 12
101	St Mary	029 30 09	030 57 43	091 05 17	092 49 24
103	St Tammany	030 10 58	031 43 56	089 32 57	090 15 23
105	Tangipahoa	030 17 38	031 59 54	090 14 42	091 34 09
107	Tensas	031 44 47	032 15 20	090 57 47	092 34 26
109	Terrebonne	029 06 31	030 45 58	090 21 52	091 17 17
111	Union	032 35 28	033 00 55	092 03 35	093 43 42
113	Vermilion	029 33 40	030 09 03	091 57 41	093 44 22
115	Vernon	030 52 17	031 21 58	092 48 20	094 34 42
117	Washington	030 40 22	031 00 16	089 43 36	090 20 55
119	Webster	032 24 52	033 01 19	093 09 02	094 31 34
121	West Baton Rouge	030 19 05	031 41 48	091 09 10	092 30 00
123	West Carroll	032 34 54	033 00 19	091 17 25	092 38 23
125	West Feliciana	030 41 12	031 04 37	091 11 31	092 43 55
127	Winn	031 42 35	032 08 57	092 18 54	093 57 48

STATE NAME: MAINE

STATE ABBREVIATION: ME

STATE CODE: 23

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Androscoggin	043 55 05	044 29 10	069 59 49	070 29 00
003	Aroostook	045 34 41	047 28 15	067 45 41	070 02 01
005	Cumberland	043 32 38	044 10 36	069 51 15	071 52 11
007	Franklin	044 28 02	046 39 58	069 55 36	071 50 26
009	Hancock	044 15 10	045 15 18	067 59 19	069 51 01

011	Kennebec	044 06 57	045 43 43	069 22 36	070 07 16
013	Knox	043 55 47	044 22 20	069 02 13	069 27 09
015	Lincoln	043 50 30	044 21 24	069 17 04	070 48 36
017	Oxford	043 47 30	045 21 10	070 14 06	071 04 34
019	Penobscot	044 39 13	046 23 30	067 58 26	069 21 10
021	Piscataquis	045 01 06	047 34 08	068 46 43	070 49 51
023	Sagadahoc	043 42 11	044 10 54	069 42 17	070 02 43
025	Somerset	044 34 57	046 33 54	069 16 24	071 33 35
027	Waldo	044 15 32	045 46 16	068 48 33	070 30 23
029	Washington	044 25 22	046 41 16	067 00 34	068 06 09
031	York	043 03 49	044 48 57	070 21 35	071 58 50

STATE NAME: MARYLAND

STATE ABBREVIATION: MD

STATE CODE: 24

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Allegany	039 26 22	040 43 39	078 18 54	079 04 05
003	Anne Arundel	038 43 02	039 14 23	076 25 30	077 51 19
005	Baltimore	039 12 28	040 43 47	076 20 04	077 53 43
009	Calvert	038 38 58	039 07 56	075 43 12	076 01 23
011	Caroline	039 20 31	040 43 47	076 47 38	077 18 42
013	Carroll	039 22 01	040 43 53	075 46 37	076 14 08
015	Cecil	038 15 50	039 41 53	076 41 41	077 20 04
017	Charles	038 14 02	039 42 29	075 42 36	076 18 22
019	Dorchester	039 13 57	040 43 41	077 07 45	078 41 21
021	Frederick	039 12 31	040 43 59	078 54 46	079 29 44
023	Garrett	039 19 23	040 43 47	076 05 28	077 34 20
025	Harford	039 06 02	039 21 57	076 42 38	077 12 19
027	Howard	039 04 00	039 22 43	075 46 09	076 16 01
029	Kent	038 56 28	039 20 26	076 54 26	078 32 48
031	Montgomery	038 31 38	039 07 22	076 41 41	077 05 35
033	Prince Georges	038 52 02	039 15 38	075 45 27	076 13 08
035	Queen Annes	038 02 52	039 30 19	076 20 02	077 53 12
037	St Marys	037 54 59	038 17 52	075 33 12	076 57 08
039	Somerset	038 34 42	039 56 25	075 54 34	076 20 25
041	Talbot	039 19 18	040 43 37	077 28 04	078 21 02
043	Washington	038 14 10	039 33 32	075 19 30	076 54 42
045	Wicomico	037 59 47	038 27 17	075 03 19	076 39 49
047	Worcester	039 12 45	039 22 42	076 32 13	077 43 11

STATE NAME: MASSACHUSETTS

STATE ABBREVIATION: MA

STATE CODE: 25

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Barnstable	041 32 50	042 05 19	069 56 38	071 40 21
003	Berkshire	042 02 35	043 44 24	072 56 20	074 30 26
005	Bristol	041 29 58	042 05 31	070 49 09	071 22 58
007	Dukes	041 18 24	041 28 27	070 27 05	071 49 53
009	Essex	042 25 51	043 52 55	070 41 53	071 15 11
011	Franklin	042 20 44	043 44 19	072 12 43	073 01 51
013	Hampden	042 00 15	042 20 28	072 08 01	073 04 12
015	Hampshire	042 11 14	043 33 10	072 12 05	073 03 54
017	Middlesex	042 09 13	043 43 44	070 59 40	072 54 29
019	Nantucket	041 14 33	041 23 07	069 57 05	070 12 40
021	Norfolk	041 59 12	042 19 48	070 54 40	071 29 43
023	Plymouth	041 37 48	042 17 26	070 32 17	071 05 04
025	Suffolk	042 14 19	042 22 01	071 02 08	071 10 39
027	Worcester	042 00 37	043 43 22	071 28 36	072 18 30

STATE NAME: MICHIGAN

STATE ABBREVIATION: MI

STATE CODE: 26

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Alcona	044 30 38	045 52 07	083 16 46	084 53 12
003	Alger	046 09 41	047 41 22	085 52 10	087 07 36
005	Allegan	042 25 07	043 46 19	085 32 45	086 16 02
007	Alpena	044 51 28	045 12 41	083 16 03	084 53 12
009	Antrim	044 48 19	045 12 48	084 50 33	085 25 28
011	Arenac	043 54 33	044 10 10	083 33 52	084 09 26
013	Baraga	046 25 06	047 57 34	088 00 14	089 41 23
015	Barry	042 25 14	043 46 21	085 04 32	086 33 18
017	Bay	043 28 45	044 59 48	083 41 39	084 09 51
019	Benzie	044 30 58	045 47 00	085 48 50	086 14 05
021	Berrien	041 46 02	042 14 44	086 13 52	087 49 09
023	Branch	041 46 38	042 04 38	084 49 32	085 18 02

025	Calhoun	042 04 29	042 25 30	084 42 37	085 17 53
027	Cass	041 45 58	042 04 32	085 45 25	086 14 15
029	Charlevoix	045 06 59	045 22 55	084 43 57	085 22 32
031	Cheboygan	045 11 47	046 47 33	084 14 43	085 44 23
033	Chippewa	045 57 44	047 46 11	083 54 50	085 14 23
035	Clare	043 48 56	044 10 08	084 35 53	085 05 10
037	Clinton	042 46 23	043 07 44	084 21 10	085 49 57
039	Crawford	044 30 35	045 51 37	084 21 35	085 50 39
041	Delta	045 33 09	046 09 52	086 28 21	087 22 38
043	Dickinson	045 43 13	046 15 03	087 37 31	088 08 37
045	Eaton	042 25 23	043 46 30	084 35 50	085 04 48
047	Emmet	045 17 10	046 47 33	084 43 59	085 06 11
049	Genesee	042 47 11	043 13 36	083 27 08	084 56 05
051	Gladwin	043 48 51	044 10 03	084 09 08	085 36 23
053	Gogebic	046 06 03	047 45 56	088 59 25	090 24 52
065	Grand Traverse	044 30 55	045 00 09	085 19 10	086 49 05
057	Gratiot	043 07 22	043 28 07	084 21 53	085 51 10
059	Hillsdale	041 42 47	042 04 39	084 21 38	085 49 55
061	Houghton	046 25 18	047 17 22	088 12 21	089 59 20
063	Huron	043 40 36	044 03 57	082 36 01	083 28 04
065	Ingham	042 25 38	043 47 03	084 08 22	085 36 17
067	Ionia	042 46 19	043 07 22	084 49 45	085 18 56
069	Iosco	044 09 56	045 30 59	083 19 01	084 53 09
071	Iron	045 55 47	046 25 24	088 07 27	089 59 30
073	Isabella	043 27 56	044 49 00	084 36 23	085 05 10
075	Jackson	042 04 23	042 25 44	084 07 08	085 42 56
077	Kalamazoo	042 04 32	042 25 20	085 17 47	086 45 39
079	Kalkaska	044 30 42	045 52 04	084 50 33	085 19 24
081	Kent	042 46 18	043 17 34	085 18 35	086 47 23
083	Keweenaw	047 11 53	047 28 48	087 43 01	088 29 02
085	Lake	043 48 45	044 10 25	085 33 33	086 02 57
087	Lapeer	042 53 35	043 19 50	082 58 56	083 28 11
089	Leelanau	044 46 39	045 12 42	085 31 27	086 03 33
091	Lenawee	041 43 21	042 05 36	083 46 11	084 22 03
093	Livingston	042 25 40	043 47 12	083 40 05	084 08 38
095	Luce	046 14 22	047 44 54	085 14 21	086 52 14
097	Mackinac	045 51 22	046 14 40	084 01 42	086 52 28
099	Macomb	042 27 25	043 54 14	082 43 22	083 05 49
101	Manistee	044 10 11	045 31 20	085 49 06	086 22 02
103	Marquette	045 58 52	047 54 20	087 07 28	088 07 28
105	Mason	043 48 45	044 10 31	086 02 44	087 30 19
107	Mecosta	043 27 49	044 49 00	085 05 03	086 34 01
109	Menominee	045 05 51	046 58 58	087 15 21	088 53 45

111	Midland	043 27 56	044 49 38	084 09 34	085 36 24
113	Missaukee	044 10 03	045 30 55	084 50 34	085 19 24
115	Monroe	041 44 25	042 06 17	083 09 48	084 46 11
117	Montcalm	043 07 04	043 28 04	084 49 57	086 34 05
119	Montmorency	044 51 28	045 12 02	083 52 32	084 21 48
121	Muskegon	043 07 10	043 27 51	085 47 22	086 26 42
123	Newaygo	043 17 27	044 49 00	085 33 56	086 02 48
125	Oakland	042 26 09	043 53 47	083 04 43	084 41 23
127	Oceana	043 27 26	044 49 14	086 02 30	087 31 01
129	Ogemaw	044 09 53	045 30 38	083 53 07	084 21 35
131	Ontonagon	046 20 19	047 00 43	088 52 38	090 52 22
133	Osceola	043 48 56	044 10 15	085 05 07	086 33 56
135	Oscoda	044 30 35	045 51 31	083 53 07	084 21 39
137	Otsego	044 51 31	045 11 50	084 21 39	085 51 28
139	Ottawa	042 46 18	043 12 16	085 46 09	086 14 38
141	Presque Isle	045 11 56	046 38 55	083 24 07	084 14 58
143	Roscommon	044 09 53	045 30 42	084 21 11	085 50 39
145	Saginaw	043 07 44	044 34 12	083 41 34	084 22 13
147	St Clair	042 33 59	043 10 40	082 26 28	083 59 56
149	St Joseph	041 45 58	042 04 38	085 17 53	086 45 39
151	Sanilac	043 09 37	044 41 40	082 29 39	083 07 10
153	Schoolcraft	045 45 16	047 30 49	085 52 10	087 37 56
155	Shiawassee	042 46 57	043 08 07	083 54 39	084 21 53
157	Tuscola	043 13 30	044 44 13	083 06 20	084 41 40
159	Van Buren	042 04 21	042 25 09	085 45 32	086 21 51
161	Washtenaw	042 04 38	042 26 14	083 32 01	084 07 38
163	Wayne	042 03 05	042 27 51	083 52 00	084 33 07
165	Wexford	044 10 12	045 30 58	085 19 20	086 49 11

STATE NAME: MINNESOTA

STATE ABBREVIATION: MN

STATE CODE: 27

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Aitkin	046 09 50	047 01 17	093 02 20	094 48 50
003	Anoka	045 03 10	045 25 39	093 00 45	094 31 05
005	Becker	046 42 51	047 09 15	095 08 32	096 10 38
007	Beltrami	047 24 10	049 32 13	094 23 26	096 35 13
009	Benton	045 34 15	046 50 14	093 46 15	094 21 18
011	Big Stone	045 10 33	046 35 22	096 05 03	097 48 52
013	Blue Earth	043 51 30	044 17 08	093 46 26	094 22 20

015	Brown	044 07 00	045 30 27	094 22 12	095 07 05
017	Carlton	046 25 12	047 45 52	092 17 27	093 03 07
019	Carver	044 39 43	045 59 26	093 31 09	094 00 51
021	Cass	046 17 14	048 30 57	093 46 06	095 46 47
023	Chippewa	044 46 38	045 09 25	095 14 35	096 02 11
025	Chisago	045 17 52	046 44 35	092 40 08	093 08 30
027	Clay	046 37 49	047 09 15	096 09 02	097 49 33
029	Clearwater	047 08 45	048 01 36	095 09 40	096 34 17
031	Cook	047 27 07	048 15 19	089 28 28	091 01 27
033	Cottonwood	043 51 30	044 12 45	094 51 52	095 28 31
035	Crow Wing	046 09 42	047 48 14	093 46 13	094 25 06
037	Dakota	044 28 52	045 56 22	092 44 02	093 19 53
039	Dodge	043 51 25	044 12 19	092 40 21	093 03 20
041	Douglas	045 45 55	046 06 49	095 08 09	096 46 16
043	Faribault	043 30 15	044 51 34	093 38 45	094 15 51
045	Fillmore	043 30 25	044 51 41	091 43 03	092 27 22
047	Freeborn	043 30 33	044 51 41	093 03 20	094 39 03
049	Goodhue	044 12 18	045 42 46	092 15 12	093 02 48
051	Grant	045 46 06	046 06 53	095 45 33	096 15 18
053	Hennepin	044 48 07	045 15 03	093 10 32	094 45 57
055	Houston	043 30 36	044 51 38	091 13 30	092 43 31
057	Hubbard	046 48 13	047 24 13	094 38 48	095 10 29
059	Isanti	045 25 26	046 44 37	093 00 55	094 31 09
061	Itasca	047 01 11	048 53 36	093 02 20	094 23 42
063	Jackson	043 30 17	044 51 45	094 51 50	095 28 31
065	Kanabec	045 44 35	046 10 06	093 02 33	094 31 09
067	Kandiyohi	044 53 48	045 25 12	094 44 57	095 15 37
069	Kittson	048 32 33	049 00 05	096 20 57	097 13 40
071	Koochiching	047 50 42	049 42 29	093 03 45	094 24 02
073	Lac Qui Parle	044 48 46	045 15 58	095 44 40	096 26 05
075	Lake	046 56 47	048 12 25	091 00 05	092 47 38
077	Lake of the Woods	048 21 32	049 22 51	094 23 48	095 19 52
079	Le Sueur	044 12 36	045 33 27	093 31 32	094 00 25
081	Lincoln	044 12 33	045 38 27	096 03 02	096 26 10
083	Lyon	044 12 47	045 38 34	095 35 32	096 03 54
085	McLeod	044 38 24	045 59 02	094 00 45	095 30 07
087	Mahnomen	047 09 08	048 30 07	095 32 38	096 03 02
089	Marshall	048 10 12	049 32 45	095 34 36	097 08 55
091	Martin	043 30 15	044 51 45	094 15 42	095 51 52
093	Meeker	044 53 48	045 19 51	094 15 15	095 45 48
095	Mille Lacs	045 34 14	046 15 29	093 25 51	094 48 32
097	Morrison	045 47 04	046 20 23	093 46 18	095 39 01
099	Mower	043 30 26	044 51 25	092 27 20	093 03 32

101	Murray	043 51 30	044 12 53	095 27 56	096 03 02
103	Nicollet	044 10 38	044 28 16	093 56 03	095 47 26
105	Nobles	043 29 57	044 51 45	095 27 49	096 02 57
107	Norman	047 09 04	048 30 07	096 02 57	097 50 18
109	Olmsted	043 50 34	044 12 20	092 04 55	093 41 46
111	Otter Tail	046 06 35	047 43 01	095 08 17	096 16 16
113	Pennington	047 55 55	048 10 35	095 34 02	096 27 59
115	Pine	045 44 04	046 25 29	092 17 27	093 08 30
117	Pipestone	043 51 05	044 12 53	096 02 57	096 25 48
119	Polk	047 29 33	048 10 14	095 32 37	097 08 35
121	Pope	045 25 02	046 46 09	095 07 34	096 45 37
123	Ramsey	044 53 44	045 08 15	092 58 39	093 13 48
125	Red Lake	047 45 41	048 57 57	095 41 38	096 27 36
127	Redwood	044 12 35	045 42 38	094 51 41	096 35 47
129	Renville	044 28 25	045 54 04	094 29 44	095 29 16
131	Rice	044 12 19	045 33 22	093 02 39	094 31 35
133	Rock	043 29 44	044 51 45	096 02 43	096 25 45
135	Roseau	048 32 08	049 00 04	095 04 44	096 22 39
137	St Louis	046 39 22	049 37 49	091 46 40	093 05 33
139	Scott	044 33 14	045 49 27	093 16 41	094 54 04
141	Sherburne	045 15 03	046 34 18	093 30 58	094 09 39
143	Sibley	044 27 58	045 43 41	093 45 45	095 37 48
145	Stearns	045 17 25	046 47 07	094 02 41	095 08 20
147	Steele	043 51 25	044 12 23	093 02 48	093 24 52
149	Stevens	045 25 00	046 46 09	095 44 45	096 14 21
151	Swift	045 09 18	045 25 12	095 14 35	096 06 38
153	Todd	045 46 56	046 22 32	094 36 14	095 09 06
155	Traverse	045 35 12	046 01 55	096 14 20	097 50 31
157	Wabasha	044 07 06	044 28 00	091 50 06	093 33 27
159	Wadena	046 22 26	047 48 21	094 46 08	095 08 41
161	Waseca	043 51 25	044 12 38	093 24 38	094 46 35
163	Washington	044 45 14	045 18 26	092 45 35	093 00 59
165	Watonwan	043 51 36	044 07 09	094 22 18	095 52 01
167	Wilkin	046 01 47	047 37 52	096 15 08	097 46 35
169	Winona	043 51 22	044 12 10	091 17 22	092 05 05
171	Wright	044 59 02	045 25 27	093 31 05	094 15 39
173	Yellow Medicine	044 33 25	045 55 57	095 21 03	096 26 10

STATE NAME: MISSISSIPPI

STATE ABBREVIATION: MS

STATE CODE: 28

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	031 12 12	032 44 51	091 09 37	092 37 51
003	Alcorn	034 45 25	035 59 48	088 21 50	089 49 41
005	Amite	030 59 40	031 21 21	090 33 20	091 04 58
007	Attala	032 52 41	033 17 00	089 18 59	090 58 10
009	Benton	034 35 27	035 59 37	089 01 05	089 21 14
011	Bolivar	033 31 43	034 07 33	090 39 07	091 14 22
013	Calhoun	033 43 22	034 10 08	089 08 12	090 30 18
015	Carroll	033 12 40	034 40 55	089 38 33	090 11 25
017	Chickasaw	033 44 12	034 04 45	088 42 41	089 11 36
019	Choctaw	033 06 05	034 32 29	089 05 08	089 27 03
021	Claiborne	031 47 19	032 13 27	090 43 24	091 14 09
023	Clarke	031 50 01	032 13 35	088 25 59	089 54 29
025	Clay	033 30 54	034 49 02	088 29 03	089 02 02
027	Coahoma	033 59 37	035 31 27	090 23 58	091 58 46
029	Copiah	031 41 39	032 02 58	090 08 12	091 44 53
031	Covington	031 26 17	032 48 24	089 24 10	090 46 06
033	De Soto	034 43 14	035 59 54	089 43 20	090 20 56
035	Forrest	030 54 52	031 26 24	089 08 07	089 27 21
037	Franklin	031 19 12	032 37 01	090 38 23	091 09 39
039	George	030 44 10	031 59 50	088 24 35	089 53 13
041	Greene	030 59 41	031 26 10	088 25 22	089 50 35
043	Grenada	033 40 34	034 53 56	089 30 13	090 08 28
045	Hancock	030 11 05	031 39 08	089 20 14	090 41 23
047	Harrison	030 19 28	031 40 57	088 52 59	089 20 30
049	Hinds	032 02 56	033 34 14	090 05 01	091 43 53
051	Holmes	032 52 49	033 22 32	089 44 43	090 25 39
053	Humphreys	032 55 50	033 20 52	090 20 53	091 44 29
055	Issaquena	032 24 15	033 59 44	090 42 59	091 12 48
057	Itawamba	034 04 48	034 27 43	088 10 00	089 32 46
059	Jackson	030 21 14	031 44 20	088 23 30	089 53 04
061	Jasper	031 48 47	032 13 36	088 54 24	089 19 13
063	Jefferson	031 36 40	032 52 46	090 44 51	091 21 12
065	Jefferson Davis	031 23 51	032 46 58	089 35 20	090 59 15
067	Jones	031 26 18	032 49 52	088 56 17	089 24 18
069	Kemper	032 34 45	033 55 43	088 20 59	089 54 39

071	Lafayette	034	09	56	035	33	42	089	14	39	090	43	14
073	Lamar	030	59	40	031	26	27	089	21	05	090	39	50
075	Lauderdale	032	13	26	033	34	47	088	23	28	089	54	35
077	Lawrence	031	20	05	032	46	15	089	57	56	090	15	17
079	Leake	032	34	34	033	56	26	089	19	06	090	44	23
081	Lee	034	04	29	035	30	37	088	31	56	089	49	41
083	Leflore	033	14	42	034	48	56	090	06	04	090	27	18
085	Lincoln	031	21	13	032	43	19	090	15	10	091	44	55
087	Lowndes	033	17	07	034	44	10	088	15	02	089	40	00
089	Madison	032	23	44	033	53	08	089	43	59	090	27	37
091	Marion	031	00	13	031	26	26	089	39	39	090	03	18
093	Marshall	034	29	44	035	59	36	089	15	07	090	43	34
095	Monroe	033	39	13	034	05	16	088	12	28	089	42	57
097	Montgomery	033	16	50	034	40	38	089	27	01	090	46	52
099	Neshoba	032	34	34	033	56	12	088	54	35	089	19	22
101	Newton	032	13	35	033	34	47	088	54	24	089	19	22
103	Noxubee	032	55	23	033	17	07	088	18	24	089	48	17
105	Oktibbeha	033	17	04	034	34	08	088	39	59	089	05	08
107	Panola	034	09	56	035	33	37	089	42	52	090	12	05
109	Pearl River	030	27	19	031	02	05	089	20	22	090	50	04
111	Perry	030	54	51	031	26	23	088	50	19	089	08	54
113	Pike	030	59	53	031	21	27	090	16	14	091	33	31
115	Pontotoc	034	04	33	034	23	05	088	49	23	089	14	56
117	Prentiss	034	27	42	035	45	27	088	19	47	089	44	10
119	Quitman	034	04	34	035	31	08	090	08	04	090	27	30
121	Rankin	032	02	42	033	36	10	089	43	55	090	15	05
123	Scott	032	13	36	033	37	59	089	19	11	090	47	33
125	Sharkey	032	39	40	033	06	03	090	39	24	091	57	51
127	Simpson	031	45	43	032	02	56	089	39	24	090	14	57
129	Smith	031	47	33	032	13	52	089	19	11	090	44	06
131	Stone	030	39	02	031	54	52	088	53	00	089	20	30
133	Sunflower	033	16	22	034	59	40	090	27	14	091	45	58
135	Tallahatchie	033	43	17	034	10	01	089	55	20	090	27	30
137	Tate	034	33	34	035	46	23	089	39	55	090	14	52
139	Tippah	034	35	47	035	59	36	088	43	18	089	05	25
141	Tishomingo	034	27	38	035	59	51	088	06	27	088	22	02
143	Tunica	034	25	50	035	51	35	090	11	49	091	34	33
145	Union	034	21	44	035	36	02	088	43	52	089	15	08
147	Walthall	031	00	01	031	21	33	089	50	29	090	16	30
149	Warren	032	05	15	033	37	30	090	32	58	091	10	38
151	Washington	032	59	18	034	31	55	090	41	04	091	13	59
153	Wayne	031	25	58	032	53	21	088	27	06	089	56	21
155	Webster	033	27	18	034	44	18	089	01	07	090	30	13

157	Wilkinson	030 59 53	031 22 21	091 03 40	092 37 38
159	Winston	032 55 38	033 17 14	088 48 17	089 19 08
161	Yalobusha	033 52 02	034 11 46	089 30 13	090 57 05
163	Yazoo	032 31 06	033 01 15	089 58 10	091 45 33

STATE NAME: MISSOURI

STATE ABBREVIATION: MO

STATE CODE: 29

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adair	040 02 17	040 21 19	092 19 53	093 50 33
003	Andrew	039 49 57	040 08 29	094 35 48	095 03 08
005	Atchison	040 16 20	041 36 42	095 10 54	096 46 00
007	Audrain	039 03 16	039 20 31	091 24 08	092 17 46
009	Barry	036 30 04	037 56 43	093 35 19	094 05 03
011	Barton	037 21 44	038 39 20	094 04 35	095 37 55
013	Bates	038 01 58	038 28 43	094 03 07	095 37 22
015	Benton	038 04 14	039 32 10	093 03 39	094 31 44
017	Bollinger	034 02 24	038 35 42	089 51 12	090 14 20
019	Boone	038 38 42	039 14 55	092 05 16	093 33 36
021	Buchanan	039 32 22	040 49 57	094 35 58	095 06 39
023	Butler	036 30 24	037 55 35	090 08 46	091 41 33
025	Caldwell	039 31 59	040 47 47	093 45 33	094 12 29
027	Callaway	038 33 59	039 03 55	091 37 32	092 12 47
029	Camden	037 48 33	038 16 20	092 23 23	093 05 02
031	Cape Girardeau	037 07 33	038 35 59	089 25 21	090 52 05
033	Carroll	039 12 35	040 37 36	093 06 45	094 46 03
035	Carter	036 48 07	037 05 41	090 40 25	091 14 33
037	Cass	038 26 41	039 50 49	094 03 55	095 37 01
039	Cedar	037 34 19	038 53 49	093 37 19	094 05 03
041	Chariton	039 13 49	040 42 32	092 40 34	093 17 10
043	Christian	036 48 50	037 06 03	092 54 26	094 37 14
045	Clark	040 14 52	041 37 02	091 25 08	092 56 07
047	Clay	039 08 10	039 27 55	094 12 34	095 36 17
049	Clinton	039 27 51	040 45 25	094 12 24	095 36 09
051	Cole	038 19 31	039 44 38	092 00 50	092 29 23
053	Cooper	038 40 48	039 03 43	092 29 12	093 03 29
055	Crawford	037 40 56	038 12 29	091 05 28	092 31 44
057	Dade	037 17 16	038 34 58	093 37 26	094 04 56
059	Dallas	037 24 58	038 54 05	092 50 44	093 11 50
061	Daviess	039 47 42	040 08 38	093 45 27	094 13 28
063	De Kalb	039 45 21	040 02 42	094 11 58	095 35 58
065	Dent	037 24 44	038 46 59	091 09 42	092 49 38
067	Douglas	036 47 19	037 04 23	092 05 42	093 54 35
069	Dunklin	035 59 54	037 37 42	089 56 52	090 23 21

071	Franklin	038 12 02	039 43 33	090 43 48	091 22 27
073	Gasconade	038 08 53	039 43 33	091 21 47	092 38 22
075	Gentry	040 02 38	040 24 00	094 12 53	095 35 50
077	Greene	037 05 20	037 25 41	093 04 25	094 37 50
079	Grundy	039 58 08	040 16 33	093 21 44	094 45 32
081	Harrison	040 08 27	041 35 59	093 45 27	094 14 14
083	Henry	038 12 35	039 34 19	093 30 55	094 04 17
085	Hickory	037 48 28	038 04 47	093 03 39	094 34 49
087	Holt	039 52 39	040 16 38	054 59 55	096 32 13
089	Howard	038 58 18	039 20 08	092 24 42	093 55 59
091	Howell	036 29 56	037 03 08	091 39 33	092 07 45
093	Iron	037 15 49	038 44 19	090 32 09	091 09 48
095	Jackson	038 49 51	039 14 16	094 06 16	095 37 00
097	Jasper	037 03 55	037 22 17	094 03 30	095 38 11
099	Jefferson	038 00 01	039 30 07	090 15 05	091 47 03
101	Johnson	038 33 30	039 56 03	093 29 23	094 07 51
103	Knox	039 57 04	040 18 38	091 55 43	092 19 55
105	Laclede	037 27 56	038 53 18	092 15 08	093 51 27
107	Lafayette	038 54 15	039 17 08	093 28 46	094 06 39
109	Lawrence	036 55 50	037 17 43	093 36 49	094 04 17
111	Lewis	039 56 28	040 15 48	091 25 46	092 56 06
113	Lincoln	038 52 03	039 13 24	090 40 39	091 15 35
115	Linn	039 42 29	040 02 17	092 50 24	093 22 06
117	Livingston	039 37 33	040 58 22	093 16 06	094 45 36
119	McDonald	036 30 07	037 46 58	094 04 43	095 38 03
121	Macon	039 36 07	040 02 35	092 15 52	093 50 50
123	Madison	037 18 19	038 38 25	090 08 47	091 33 02
125	Maries	038 00 26	038 17 37	091 37 25	092 11 13
127	Marion	039 39 18	040 57 03	091 17 05	092 49 40
129	Mercer	040 16 18	041 36 05	093 21 41	094 46 38
131	Miller	038 01 01	038 26 00	092 10 29	093 40 52
133	Mississippi	036 33 47	037 05 45	089 04 56	090 31 15
135	Moniteau	038 25 34	039 54 50	092 22 44	093 50 26
137	Monroe	039 20 00	040 39 19	091 41 58	092 17 29
139	Montgomery	038 40 56	039 08 01	091 15 27	092 38 18
141	Morgan	038 11 12	039 41 34	092 37 06	093 04 39
143	New Madrid	036 21 35	037 52 25	089 19 49	090 57 49
145	Newton	036 45 43	037 03 59	094 03 53	095 38 11
147	Nodaway	040 08 28	041 36 10	094 35 36	095 12 19
149	Oregon	036 29 54	037 53 04	091 08 11	092 41 11
151	Osage	038 16 57	039 42 26	091 38 18	092 11 12
153	Ozark	036 29 56	037 48 23	092 07 00	093 46 20
155	Pemiscot	036 00 00	036 26 12	089 33 10	090 58 18

157	Perry	037 34 01	038 53 33	089 30 14	090 09 11
159	Pettis	038 30 42	039 56 43	093 02 37	094 30 57
161	Phelps	037 35 58	038 09 04	091 31 20	092 02 02
163	Pike	039 07 50	040 35 40	090 43 39	091 26 43
165	Platte	039 09 27	040 32 27	094 36 00	095 06 36
167	Polk	037 25 02	038 49 47	093 11 04	094 38 37
169	Pulaski	037 36 00	038 01 14	092 00 57	092 24 30
171	Putnam	040 20 54	041 36 23	092 39 22	093 22 41
173	Ralls	039 18 46	040 41 12	091 11 28	092 42 16
175	Randolph	039 14 28	040 36 25	092 16 54	093 41 04
177	Ray	039 08 24	040 32 11	093 46 01	094 12 40
179	Reynolds	037 02 17	038 35 41	090 44 34	091 18 56
181	Ripley	036 30 04	037 49 09	090 34 27	091 08 36
183	St Charles	038 32 39	039 57 39	090 07 13	091 57 03
185	St Clair	037 49 29	038 13 36	093 30 19	094 04 14
187	St Francois	037 40 01	038 07 14	089 55 54	090 27 38
189	St Louis	037 38 10	038 03 51	090 06 45	091 39 13
193	Ste Genevieve	038 55 36	039 24 14	092 50 00	093 29 53
195	Saline	040 21 17	041 36 36	092 19 55	093 41 58
197	Schuyler	040 18 23	041 37 02	091 55 51	092 20 31
199	Scotland	036 51 31	037 15 40	089 19 40	090 46 42
201	Scott	036 52 41	037 25 02	091 01 30	092 39 46
203	Shannon	039 35 47	040 57 05	091 49 07	092 16 54
205	Shelby	036 37 41	037 07 54	089 41 29	090 16 18
207	Stoddard	036 30 06	037 00 20	093 19 13	094 37 28
209	Stone	040 02 04	040 23 30	092 50 24	093 21 53
211	Sullivan	036 30 06	037 49 24	092 45 10	093 19 57
213	Taney	037 02 30	038 36 00	091 38 39	092 15 50
215	Texas	037 38 40	038 03 48	094 04 00	095 37 44
217	Vernon	038 32 55	039 58 59	090 56 55	091 24 20
219	Warren	037 43 40	038 12 21	090 38 13	091 06 29
221	Washington	036 54 48	037 19 01	090 07 15	091 47 27
223	Wayne	037 04 13	037 29 12	092 40 55	093 05 25
225	Webster	040 23 51	041 35 45	094 13 00	095 38 01
227	Worth	037 03 36	037 28 47	092 15 16	093 41 21
229	Wright	038 30 11	039 46 27	090 10 33	090 20 46

STATE NAME: MONTANA

STATE ABBREVIATION: MT

STATE CODE: 30

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Beaverhead	044 22 03	046 54 29	111 27 58	114 55 55
003	Big Horn	044 59 47	046 02 43	106 14 00	109 42 34
005	Blaine	047 43 32	049 59 43	108 13 45	110 33 08
007	Broadwater	045 50 09	047 46 38	111 03 46	112 46 56
009	Carbon	044 59 36	046 38 12	108 05 48	110 48 52
011	Carter	045 00 18	046 08 35	104 02 43	105 01 47
013	Cascade	046 49 21	048 41 51	110 37 37	112 02 15
015	Chouteau	047 24 33	048 18 02	109 31 48	111 23 54
017	Custer	045 47 07	047 52 29	104 42 48	106 09 44
019	Daniels	048 33 41	049 00 13	104 58 18	106 08 35
021	Dawson	046 51 47	048 47 38	104 17 44	105 23 54
023	Deer Lodge	045 44 43	046 15 37	112 32 38	114 32 08
025	Fallon	045 52 44	047 41 17	104 02 42	105 53 40
027	Fergus	046 41 09	048 48 38	108 18 50	110 12 32
029	Flathead	047 35 30	049 59 35	112 51 48	115 00 50
031	Gallatin	044 29 29	046 11 34	110 47 12	112 47 29
033	Garfield	046 50 34	048 57 50	106 03 49	108 58 14
035	Glacier	048 17 50	049 59 40	112 10 25	114 03 45
037	Golden Valley	046 02 34	047 44 52	108 46 38	110 39 25
039	Granite	045 54 29	047 49 40	113 01 38	114 50 13
041	Hill	048 07 25	049 59 45	109 27 30	111 45 59
043	Jefferson	045 45 04	047 33 55	111 39 39	113 35 25
045	Judith Basin	046 38 47	047 24 38	109 43 00	111 47 26
047	Lake	047 07 46	048 03 11	113 35 12	115 35 07
049	Lewis and Clark	046 24 12	048 56 38	111 28 49	113 09 31
051	Liberty	048 07 17	049 59 49	110 43 36	111 23 38
053	Lincoln	047 53 02	049 59 39	114 35 57	116 02 38
055	McCone	047 05 42	048 08 41	105 11 25	106 24 52
057	Madison	044 43 05	046 51 20	111 20 54	113 41 45
059	Meagher	046 10 43	047 04 45	110 16 39	112 38 09
061	Mineral	046 41 54	048 29 59	114 24 39	116 44 25
063	Missoula	046 37 43	048 35 39	113 17 08	115 47 06
065	Musselshell	046 07 47	047 45 22	107 46 35	109 00 19
067	Park	044 59 44	046 11 44	109 48 49	111 02 50
069	Petroleum	046 44 55	048 36 03	107 49 25	109 44 02

071	Phillips	047 27 31	049 59 56	107 10 51	109 53 54
073	Pondera	047 59 01	048 28 09	111 23 38	113 19 53
075	Powder River	045 00 01	046 48 25	104 58 01	106 15 17
077	Powell	046 15 24	048 35 37	112 17 12	113 27 35
079	Prairie	046 32 36	047 11 18	104 35 13	106 03 59
081	Ravalli	045 27 32	047 39 30	113 32 08	115 33 37
083	Richland	047 21 20	048 08 41	104 02 48	105 13 56
085	Roosevelt	047 59 09	049 33 51	104 02 48	106 49 43
087	Rosebud	045 11 35	047 51 55	106 03 34	108 52 25
089	Sanders	047 06 58	048 16 24	114 09 51	116 02 38
091	Sheridan	048 23 10	049 00 11	104 02 48	105 03 19
093	Silver Bow	045 37 12	046 10 12	112 09 35	113 04 24
095	Stillwater	045 10 28	046 07 44	108 50 16	110 03 31
097	Sweet Grass	045 10 37	046 12 54	109 25 18	110 18 14
099	Teton	047 29 59	048 07 32	111 23 28	113 58 53
101	Toole	048 12 21	049 59 49	111 15 01	112 12 57
103	Treasure	045 51 54	046 28 55	106 55 40	108 43 59
105	Valley	047 40 04	049 00 05	105 47 12	107 25 18
107	Wheatland	046 12 52	047 44 13	109 23 05	110 17 02
109	Wibaux	046 38 30	047 23 55	104 02 46	105 35 32
111	Yellowstone	045 27 53	046 29 36	107 25 29	109 55 42
113	Yellowstone National Park-Part	044 29 20	045 05 49	109 58 24	111 06 57

STATE NAME: NEBRASKA

STATE ABBREVIATION: NE

STATE CODE: 31

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	040 20 40	041 41 43	098 17 31	099 44 00
003	Antelope	041 54 06	042 25 25	097 50 08	098 18 29
005	Arthur	041 23 35	042 44 34	101 24 18	102 58 57
007	Banner	041 23 23	042 42 37	103 21 19	104 03 37
009	Blaine	041 44 30	042 05 22	099 41 14	100 16 18
011	Boone	041 28 25	042 54 08	097 50 00	098 17 55
013	Box Butte	042 00 11	042 26 10	102 41 12	103 26 13
015	Boyd	042 44 54	043 00 05	098 18 11	099 16 03
017	Brown	042 05 10	043 50 17	099 39 47	100 12 04
019	Buffalo	040 38 31	041 02 45	098 43 40	099 25 56
021	Burt	041 40 00	042 02 05	096 05 22	097 33 30
023	Butler	041 02 10	041 26 29	096 53 43	097 22 31
025	Cass	040 46 06	041 03 35	095 49 22	096 28 07
027	Cedar	042 19 59	043 51 45	097 00 45	097 29 03
029	Chase	040 20 52	041 41 53	101 20 17	102 03 50
031	Cherry	042 05 10	043 59 56	100 10 28	102 04 55
033	Cheyenne	041 00 14	041 26 08	102 36 20	103 22 27
035	Clay	040 20 36	041 41 43	097 50 00	098 17 48
037	Colfax	041 22 32	042 44 09	096 53 43	097 15 41
039	Cuming	041 43 42	042 04 39	096 33 08	097 01 21
041	Custer	041 02 43	042 44 38	099 12 53	100 15 26
043	Dakota	042 15 50	043 31 07	096 20 48	097 43 14
045	Dawes	042 25 58	043 00 10	102 45 35	104 30 41
047	Dawson	040 40 09	041 02 45	099 25 42	100 13 50
049	Deuel	041 00 07	041 13 04	102 03 33	103 37 05
051	Dixon	042 14 48	043 44 56	096 36 23	097 01 16
053	Dodge	041 22 32	042 44 04	096 20 00	097 53 52
055	Douglas	041 10 44	041 22 57	095 52 16	096 27 54
057	Dundy	040 00 23	040 21 18	101 19 07	102 03 50
059	Fillmore	040 20 33	041 41 32	097 22 29	098 50 09
061	Franklin	039 59 51	040 21 05	098 42 53	099 11 14
063	Frontier	040 21 06	041 41 57	099 59 22	101 46 32
065	Furnas	040 00 01	040 21 13	099 37 48	100 11 24
067	Gage	040 00 06	041 30 42	096 27 31	097 54 40
069	Garden	041 13 03	042 00 31	101 58 47	103 40 27

071	Garfield	041 44 19	042 05 21	098 45 14	099 13 52
073	Gosper	040 21 04	041 41 51	099 38 48	100 05 52
075	Grant	041 44 08	042 05 15	101 25 30	102 03 57
077	Greeley	041 23 09	042 44 19	098 17 55	099 45 14
079	Hall	040 41 43	041 02 32	098 17 48	099 44 05
081	Hamilton	040 41 32	041 09 59	097 50 09	098 17 48
083	Harlan	039 59 51	040 21 13	099 10 09	100 37 53
085	Hayes	040 21 06	041 41 57	100 46 25	101 20 59
087	Hitchcock	040 00 28	040 21 18	100 45 32	101 19 41
089	Holt	042 05 03	043 53 33	098 18 12	099 16 08
091	Hooker	041 44 24	042 05 15	100 50 21	101 25 39
093	Howard	041 02 32	041 23 22	098 18 04	099 44 59
095	Jefferson	040 00 07	040 20 33	096 54 20	097 22 29
097	Johnson	040 15 14	041 30 41	096 04 44	096 28 04
099	Kearney	040 20 46	041 41 43	098 43 40	099 11 14
101	Keith	041 00 07	041 23 53	101 15 21	102 03 48
103	Keya Paha	042 43 10	043 00 02	099 16 00	100 12 08
105	Kimball	041 00 18	041 23 47	103 21 49	104 03 44
107	Knox	042 25 16	043 53 00	097 28 42	098 18 40
109	Lancaster	040 30 41	041 02 15	096 27 50	097 54 36
111	Lincoln	040 41 52	041 23 53	100 13 17	101 16 37
113	Logan	041 23 41	042 44 40	100 15 10	101 42 31
115	Loup	041 44 24	042 05 21	099 13 27	100 41 29
117	McPherson	041 23 42	042 44 40	100 42 18	101 24 27
119	Madison	041 43 53	042 04 38	097 21 57	098 50 13
121	Merrick	040 51 48	041 23 15	097 36 33	098 18 06
123	Morrill	041 26 06	042 00 24	102 37 57	103 21 29
125	Nance	041 15 40	042 31 23	097 41 57	098 18 04
127	Nemaha	040 15 27	041 31 51	095 32 13	096 04 59
129	Nuckolls	040 00 10	040 20 40	097 48 50	098 17 31
131	Otoe	040 30 40	041 46 21	095 43 09	096 28 07
133	Pawnee	040 00 02	040 15 27	096 01 24	096 28 02
135	Perkins	040 41 38	041 00 23	101 15 21	102 03 48
137	Phelps	040 21 04	041 40 54	099 11 05	100 39 04
139	Pierce	042 04 27	042 25 36	097 21 39	098 50 09
141	Platte	041 19 46	042 44 03	097 15 41	098 50 11
143	Polk	041 02 09	041 23 30	097 22 14	098 50 10
145	Red Willow	040 00 06	040 21 09	100 10 50	101 45 37
147	Richardson	040 00 07	040 16 20	095 20 02	096 01 45
149	Rock	042 05 10	043 48 17	099 13 52	100 41 12
151	Saline	040 20 11	041 41 29	096 54 23	097 22 30
153	Sarpy	040 59 21	041 10 46	095 51 17	096 19 51
155	Saunders	041 00 14	041 26 29	096 19 05	097 54 16

157	Scotts Bluff	041 42 09	042 00 15	103 20 48	104 03 35
159	Seward	040 41 14	041 02 19	096 54 16	097 22 31
161	Sheridan	042 00 23	043 00 10	102 01 02	103 47 34
163	Sherman	041 02 43	041 23 27	098 44 57	099 12 56
165	Sioux	042 00 00	043 00 14	103 23 43	104 03 46
167	Stanton	041 43 50	042 04 38	097 01 06	097 22 14
169	Thayer	040 00 07	040 20 36	097 22 28	098 50 00
171	Thomas	041 44 36	042 05 22	100 15 26	101 50 42
173	Thurston	042 00 10	042 15 53	096 13 36	097 48 55
175	Valley	041 23 22	042 44 24	098 44 57	099 13 27
177	Washington	041 22 45	042 40 14	095 55 25	096 26 43
179	Wayne	042 04 19	042 20 21	096 48 32	097 21 57
181	Webster	040 00 05	040 20 46	098 16 54	099 44 00
183	Wheeler	041 44 00	042 05 05	098 17 54	099 45 39
185	York	040 41 29	041 02 19	097 22 30	098 50 09

STATE NAME: NEVADA

STATE ABBREVIATION: NV

STATE CODE: 32

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Churchill	039 04 13	040 00 59	117 27 38	119 13 58
003	Clark	035 01 08	037 51 25	114 02 40	116 54 01
005	Douglas	038 31 51	039 07 16	119 17 49	120 00 33
007	Elko	040 07 37	042 00 50	114 02 24	117 01 39
009	Esmeralda	036 59 03	038 27 58	117 10 43	118 25 01
011	Eureka	039 09 22	041 01 01	115 43 58	117 35 25
013	Humboldt	040 32 11	042 00 46	117 00 17	119 20 35
015	Lander	039 05 42	041 01 01	116 34 35	118 47 21
017	Lincoln	036 50 30	039 40 09	114 02 30	116 53 53
019	Lyon	038 23 50	040 44 42	118 42 44	120 43 01
021	Mineral	037 52 56	039 04 37	117 41 21	119 08 18
023	Nye	036 00 35	039 09 34	114 59 49	118 12 18
025*		039 05 06	039 15 22	119 31 47	120 00 33
027	Pershing	040 00 52	041 58 06	117 17 46	119 19 38
029	Storey	039 15 08	040 36 49	119 17 32	120 43 01
031	Washoe	039 09 36	042 00 45	119 09 22	120 00 43
033	White Pine	038 40 02	040 07 54	114 02 09	116 50 32

CODE	INDEPENDENT CITY
510*	Carson City

*Code 025 was previously assigned to Ormsby County which has been incorporated as the independent city of Carson City.

STATE NAME: NEW HAMPSHIRE

STATE ABBREVIATION: NH

STATE CODE: 33

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Belknap	043 17 15	044 44 09	071 09 20	072 43 13
003	Carroll	043 29 57	044 17 51	070 57 28	072 33 23
005	Cheshire	042 42 48	043 10 52	C71 56 12	073 33 17
007	Cocs	044 06 56	045 18 45	071 01 00	072 45 04
009	Grafton	043 31 31	044 23 48	071 20 23	072 20 47
011	Hillsborough	042 41 50	043 12 16	071 14 06	072 03 46
013	Merrimack	043 00 38	044 36 06	071 14 52	072 05 18
015	Rockingham	042 43 44	043 16 34	070 43 57	071 26 17
017	Strafford	043 04 53	044 34 41	070 48 49	071 15 36
019	Sullivan	043 07 38	044 35 46	071 55 03	072 26 58

STATE NAME: NEW JERSEY

STATE ABBREVIATION: NJ

STATE CODE: 34

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Atlantic	039 16 46	040 44 10	074 22 29	075 59 02
003	Bergen	040 46 09	041 07 41	073 53 56	074 16 25
005	Burlington	039 32 53	040 11 18	074 22 42	075 02 55
007	Camden	039 35 27	040 59 51	074 42 35	075 08 57
009	Cape May	038 55 32	039 19 34	074 34 46	075 57 42
011	Cumberland	C39 09 53	040 33 35	074 51 11	075 25 20
013	Essex	040 39 14	041 55 08	074 07 20	074 22 41
015	Gloucester	039 30 51	040 53 09	074 53 37	075 26 21
017	Hudson	040 39 15	041 49 31	074 00 17	074 09 28
019	Hunterdon	040 20 08	041 47 07	074 42 36	075 11 56
021	Mercer	040 07 29	040 25 43	074 27 09	075 55 02
023	Middlesex	040 16 14	041 37 07	074 12 58	075 38 07
025	Monmouth	040 04 31	040 27 56	073 57 22	075 35 40
027	Morris	040 39 13	041 05 38	074 17 37	075 54 18
029	Ocean	039 32 00	040 10 31	074 00 36	075 32 28
031	Passaic	040 49 10	041 12 24	074 05 38	075 30 07

033	Salem	039 24 18	040 47 03	075 04 00	076 32 56
035	Somerset	040 23 08	041 45 16	074 25 03	075 47 42
037	Sussex	040 54 46	041 21 55	074 22 30	075 58 43
039	Union	040 35 59	041 44 50	074 09 08	074 28 53
041	Warren	040 35 39	041 06 06	074 46 20	075 12 30

STATE NAME: NEW MEXICO

STATE ABBREVIATION: NM

STATE CODE: 35

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Bernalillo	034 51 31	035 13 15	106 08 40	107 13 08
003	Catron	033 12 00	035 34 37	107 42 28	109 03 18
005	Chaves	032 31 12	034 04 53	103 30 23	105 22 12
007	Colfax	036 12 11	037 59 20	104 00 41	105 23 08
009	Curry	034 18 58	035 56 45	103 02 46	104 44 42
011	De Baca	033 59 27	035 46 44	103 56 44	105 54 10
013	Dona Ana	031 46 53	033 03 29	106 21 22	107 18 47
015	Eddy	031 59 31	033 57 34	103 42 52	105 51 23
017	Grant	031 52 34	033 12 24	107 41 30	109 03 27
019	Guadalupe	034 20 11	035 12 30	104 06 48	105 18 34
021	Harding	035 22 49	036 12 15	103 21 49	104 26 03
023	Hidalgo	031 20 45	033 46 52	108 13 04	109 03 34
025	Lea	031 59 33	034 33 49	103 03 49	104 48 31
027	Lincoln	033 07 19	034 20 23	104 53 28	106 22 37
029	Luna	035 44 28	036 58 16	106 10 27	106 25 49
031	McKinley	031 47 17	033 36 05	107 17 55	108 14 42
033	Mora	034 57 10	036 00 17	107 18 45	109 02 55
035	Otero	035 44 52	036 15 14	104 19 34	106 43 26
037	Quay	031 59 18	033 23 02	104 50 53	106 23 34
039	Rio Arriba	034 36 33	036 44 06	103 02 39	104 07 18
041	Roosevelt	035 55 52	037 59 37	105 32 41	108 38 29
043	Sandoval	033 33 13	035 36 44	103 03 07	104 56 55
045	San Juan	035 13 10	036 12 03	106 14 46	108 38 29
047	San Miguel	036 00 04	037 59 56	107 26 24	109 02 39
049	Santa Fe	035 01 41	036 51 27	103 38 05	106 43 33
051	Sierra	035 01 37	036 59 40	105 42 35	106 15 01
053	Socorro	032 35 53	033 28 44	106 21 25	108 00 49
055	Taos	033 28 37	035 34 22	105 56 15	108 44 09
057	Torrance	036 00 37	037 59 16	105 12 53	106 03 33
059	Union	034 15 10	035 01 43	105 16 58	106 28 06

061	Valencia	035 43 52	037 59 57	103 00 12	104 00 53

STATE NAME: NEW YORK

STATE ABBREVIATION: NY

STATE CODE: 36

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Albany	042 24 40	043 49 09	073 40 41	074 16 12
003	Allegany	041 59 54	043 31 12	077 43 49	078 18 39
005	Bronx	040 48 28	041 54 32	073 48 38	074 55 02
007	Broome	042 00 08	042 24 59	075 23 59	076 07 54
009	Cattaraugus	042 00 06	043 32 27	078 18 25	079 04 09
011	Cayuga	042 37 33	043 25 04	076 15 40	077 44 25
013	Chautauqua	042 00 09	043 34 39	079 03 47	080 46 01
015	Chemung	041 59 55	042 17 53	076 32 00	077 58 09
017	Chenango	042 12 00	043 45 13	075 17 30	076 53 04
019	Clinton	044 26 14	045 00 35	073 20 44	074 01 52
021	Columbia	041 58 42	043 30 41	073 21 04	074 56 10
023	Cortland	042 24 37	043 47 21	075 51 27	076 15 45
025	Delaware	041 50 49	043 30 54	074 26 35	075 25 14
027	Dutchess	041 26 14	042 05 12	073 30 01	074 00 03
029	Erie	042 25 47	043 05 39	078 27 43	079 07 38
031	Essex	043 44 48	045 32 59	073 19 27	074 20 13
033	Franklin	044 05 56	045 00 05	073 54 52	075 43 25
035	Fulton	042 58 51	043 17 10	074 06 05	075 46 11
037	Genesee	042 51 51	043 07 58	077 54 49	078 27 46
039	Greene	042 06 04	042 27 55	073 47 15	075 32 07
041	Hamilton	043 12 59	044 07 12	074 03 39	075 52 28
043	Herkimer	042 49 41	044 05 17	074 42 19	075 13 58
045	Jefferson	043 40 10	044 23 27	075 26 55	076 22 23
047	Kings	040 34 24	041 43 02	073 52 27	074 01 28
049	Lewis	043 25 11	044 13 03	075 07 20	076 50 36
051	Livingston	042 28 05	043 59 09	077 29 32	078 03 25
053	Madison	042 43 30	043 11 07	075 14 42	076 00 00
055	Monroe	042 55 52	043 21 45	077 22 26	078 00 41
057	Montgomery	042 46 10	043 02 55	074 05 37	075 46 11
059	Nassau	040 34 47	041 54 27	073 24 35	074 45 46
061	New York	040 42 34	041 50 32	073 55 40	074 01 35
063	Niagara	043 01 10	043 21 37	078 27 43	079 03 52
065	Oneida	042 51 58	044 36 42	075 05 00	076 53 21

067	Onondaga	042 46 21	043 16 03	075 53 32	076 29 56
069	Ontario	042 34 46	043 02 23	076 57 28	078 36 28
071	Orange	041 08 49	042 38 04	073 57 10	075 45 44
073	Orleans	043 07 34	043 22 11	078 00 31	078 27 48
075	Oswego	043 09 23	044 42 13	075 45 29	077 37 03
077	Otsego	042 18 45	043 54 16	074 38 03	075 24 41
079	Putnam	041 19 40	042 31 58	073 32 35	074 58 50
081	Queens	040 32 58	041 48 01	073 42 32	074 56 45
083	Rensselaer	042 27 55	043 57 27	073 16 26	074 47 15
085	Richmond	040 28 59	041 39 54	074 03 32	074 17 38
087	Rockland	040 59 36	041 19 40	073 53 35	074 14 09
089	St Lawrence	044 03 00	045 01 02	074 31 47	076 49 59
091	Saratoga	042 46 49	043 23 57	073 34 25	074 09 42
093	Schenectady	042 42 45	043 57 26	073 49 09	074 18 35
095	Schoharie	042 21 18	043 49 42	074 09 45	075 42 40
097	Schuyler	042 13 55	043 33 03	076 37 03	077 06 47
099	Seneca	042 32 39	043 01 23	076 35 47	077 59 38
101	Steuben	042 59 59	043 34 48	076 57 52	078 45 35
103	Suffolk	040 36 50	041 09 30	071 52 46	073 29 38
105	Sullivan	041 25 49	042 00 53	074 22 36	075 09 25
107	Tioga	042 00 04	042 24 39	076 04 21	077 33 49
109	Tompkins	042 15 53	043 37 51	076 13 58	077 42 08
111	Ulster	041 34 37	042 10 26	073 55 04	075 47 03
113	Warren	043 14 12	044 48 13	073 26 50	074 13 10
115	Washington	042 56 39	044 48 54	073 15 23	074 38 59
117	Wayne	043 00 52	043 20 08	076 42 41	077 22 37
119	Westchester	040 53 16	041 22 05	073 29 48	074 58 07
121	Wyoming	042 31 12	043 52 09	077 57 47	078 29 42
123	Yates	042 27 46	043 45 37	076 53 39	077 22 01

STATE NAME: NORTH CAROLINA

STATE ABBREVIATION: NC

STATE CODE: 37

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Alamance	035 50 40	036 14 13	079 14 13	080 32 37
003	Alexander	035 46 47	036 04 22	080 59 10	081 21 27
005	Alleghany	036 22 42	037 34 41	080 53 10	081 22 38
007	Anson	034 48 23	035 12 22	079 50 19	080 19 32
009	Ashe	036 14 22	037 35 46	081 16 42	082 44 34
011	Avery	035 55 05	036 19 38	081 45 54	082 05 16
013	Beaufort	035 12 34	036 44 48	076 29 34	077 12 03
015	Bertie	035 49 02	036 14 38	076 41 07	077 19 51
017	Bladen	034 22 16	035 51 02	078 10 23	079 53 48
019	Brunswick	033 51 45	034 22 27	077 55 36	079 38 10
021	Buncombe	035 25 08	036 50 30	082 12 55	083 53 04
023	Burke	035 34 20	036 00 49	081 22 17	082 59 08
025	Cabarrus	035 11 21	036 30 26	080 18 18	081 47 17
027	Caldwell	035 45 58	036 07 30	081 20 20	082 49 02
029	Camden	036 09 47	037 33 01	075 56 11	077 31 55
031	Carteret	034 41 00	035 03 50	076 17 18	077 08 57
033	Caswell	036 14 00	037 32 36	079 07 34	080 31 09
035	Catawba	035 32 39	036 50 04	080 55 26	082 32 01
037	Chatham	035 30 52	036 53 03	078 54 06	080 32 22
039	Cherokee	034 58 50	035 17 33	083 41 45	084 19 29
041	Chowan	036 00 40	036 21 07	076 26 12	077 42 28
043	Clay	034 58 53	035 09 45	083 30 50	084 01 09
045	Cleveland	035 10 17	036 35 03	081 19 22	082 46 23
047	Columbus	033 56 52	034 28 41	078 08 19	079 03 44
049	Craven	034 50 06	035 24 44	076 39 38	077 29 00
051	Cumberland	034 50 08	035 15 39	078 29 33	079 06 49
053	Currituck	035 47 39	037 39 06	075 32 15	076 20 24
055	Dare	035 33 49	036 57 58	075 42 26	076 01 12
057	Davidson	035 30 15	036 02 20	080 02 46	080 28 07
059	Davie	035 44 35	036 04 15	080 21 22	081 42 19
061	Duplin	034 42 23	035 11 58	077 38 37	078 11 24
063	Durham	035 51 10	036 13 57	078 42 38	079 01 26
065	Edgecombe	035 40 13	036 08 18	077 21 21	078 49 25
067	Forsyth	035 57 58	036 15 18	080 02 14	080 29 33
069	Franklin	035 49 00	036 15 30	077 59 27	079 32 21

071	Gaston	035 09 45	035 25 17	080 55 29	081 27 16
073	Gates	036 18 00	037 32 49	076 27 14	077 56 44
075	Graham	035 12 51	035 27 33	083 34 48	084 01 43
077	Granville	036 00 35	037 32 28	078 26 28	079 48 20
079	Greene	035 21 21	036 39 00	077 29 19	078 49 46
081	Guilford	035 53 52	036 14 51	079 31 09	080 02 51
083	Halifax	035 59 52	037 30 35	077 14 25	078 59 27
085	Harnett	035 11 34	036 35 02	078 31 47	079 13 16
087	Haywood	035 18 07	036 48 46	082 45 15	083 15 27
089	Henderson	035 08 40	036 30 01	082 16 22	083 45 15
091	Hertford	036 14 02	037 32 47	076 42 34	077 12 58
093	Hoke	034 48 52	035 09 01	079 02 08	079 27 15
095	Hyde	035 19 53	036 42 02	075 52 43	077 38 21
097	Iredell	035 30 25	036 04 02	080 41 22	081 06 02
099	Jackson	034 59 29	036 31 34	082 55 03	083 21 16
101	Johnston	035 15 00	036 49 00	078 04 07	079 42 23
103	Jones	034 46 28	035 16 22	077 06 11	078 44 26
105	Lee	035 18 08	036 36 11	078 58 28	079 21 21
107	Lenoir	035 01 36	035 26 46	077 23 47	078 50 20
109	Lincoln	035 25 12	036 35 18	080 57 00	082 32 24
111	McDowell	035 31 29	036 57 49	081 49 56	082 19 07
113	Macon	035 59 26	035 20 14	083 08 03	084 44 04
115	Madison	035 40 38	036 04 12	082 26 03	083 56 37
117	Martin	035 39 57	036 03 16	076 46 15	077 24 08
119	Mecklenburg	035 01 19	036 30 58	080 34 21	081 03 24
121	Mitchell	035 49 38	036 08 24	081 59 27	082 23 06
123	Montgomery	035 08 52	036 31 20	079 36 14	080 10 40
125	Moore	035 02 24	036 31 46	079 05 28	080 44 31
127	Nash	035 43 33	036 11 10	077 41 11	078 15 30
129	New Hanover	033 57 44	034 23 33	077 44 24	078 02 16
131	Northampton	036 10 14	037 32 41	077 05 00	078 53 46
133	Onslow	034 27 17	035 58 45	077 07 16	078 41 32
135	Orange	035 51 30	036 14 07	078 57 33	079 16 36
137	Pamlico	034 58 37	035 19 47	076 28 49	077 56 55
139	Pasquotank	036 07 37	036 29 29	076 03 42	076 29 31
141	Pender	034 17 59	035 43 54	077 31 36	078 15 32
143	Perquimans	036 05 03	036 22 28	076 13 06	077 34 31
145	Person	036 13 37	037 32 25	078 47 50	079 09 14
147	Pitt	035 20 16	036 49 50	077 06 56	078 41 29
149	Polk	035 11 37	035 24 42	081 58 55	082 21 46
151	Randolph	035 30 33	036 54 38	079 31 44	080 03 25
153	Richmond	034 48 12	035 10 48	079 27 15	080 04 54
155	Robeson	034 18 04	035 57 11	078 47 07	079 26 42

157	Rockingham	036 14 13	037 32 48	079 29 19	080 02 14
159	Rowan	035 30 12	036 51 45	080 10 40	081 46 45
161	Rutherford	035 11 24	036 37 10	081 41 55	082 17 14
163	Sampson	034 33 35	035 18 20	078 06 43	079 39 44
165	Scotland	034 37 08	035 02 24	079 18 35	080 40 29
167	Stanly	035 09 09	036 30 15	080 03 16	081 31 13
169	Stokes	036 14 51	037 33 20	080 01 44	080 26 57
171	Surry	036 14 25	037 33 46	080 26 39	081 59 06
173	Swain	035 15 48	036 41 56	083 09 42	084 56 55
175	Transylvania	035 01 33	035 25 08	082 35 39	083 02 56
177	Tyrrell	035 36 14	036 59 01	076 01 18	076 24 15
179	Union	034 48 42	035 11 55	080 18 00	081 51 32
181	Vance	036 09 41	037 32 21	078 16 29	079 30 08
183	Wake	035 31 12	036 03 45	078 15 12	079 59 10
185	Warren	036 11 10	037 32 22	077 53 43	078 18 59
187	Washington	035 41 38	036 58 38	076 21 09	077 49 31
189	Watauga	036 06 44	036 22 56	081 28 41	082 52 32
191	Wayne	035 10 10	036 35 24	077 48 31	078 18 31
193	Wilkes	036 00 49	036 26 04	080 52 33	082 33 12
195	Wilson	035 33 57	036 51 26	077 39 32	078 11 46
197	Yadkin	036 03 04	036 17 04	080 25 40	081 52 55
199	Yancey	035 42 28	036 05 00	082 08 37	083 30 25

STATE NAME: NORTH DAKOTA

STATE ABBREVIATION: ND

STATE CODE: 38

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	045 56 25	046 17 12	101 59 36	103 59 07
003	Barnes	046 37 27	047 14 21	097 40 27	098 27 56
005	Benson	047 50 44	048 22 26	098 31 29	100 51 03
007	Billings	046 37 51	047 20 02	103 01 05	104 39 40
009	Bottineau	048 32 35	049 00 07	100 08 12	101 29 29
011	Bowman	045 56 33	046 16 42	102 58 53	104 03 03
013	Burke	048 32 46	049 00 09	102 00 58	103 56 00
015	Burleigh	046 37 49	047 19 49	100 04 38	101 56 53
017	Cass	046 37 27	047 14 24	096 45 14	098 41 36
019	Cavalier	048 32 35	049 00 09	097 54 17	099 59 45
021	Dickey	045 56 12	046 17 15	097 59 36	099 00 09
023	Divide	048 38 02	049 00 08	102 52 41	104 03 04
025	Dunn	046 58 31	048 51 26	102 08 25	103 05 34

027	Eddy	047 35 14	048 51 05	098 29 38	099 18 06
029	Emmons	045 56 [illegible]	047 38 01	099 51 42	101 37 56
031	Foster	047 19 39	048 35 19	098 29 38	099 16 23
033	Golden Valley	046 32 16	047 20 02	103 36 26	104 02 48
035	Grand Forks	047 40 03	048 11 58	096 52 53	098 53 41
037	Grant	046 00 28	047 43 06	101 02 30	102 05 42
039	Griggs	047 14 12	048 40 25	097 57 00	098 29 48
041	Hettinger	046 12 13	047 37 45	101 59 36	103 54 50
043	Kidder	046 37 43	047 19 49	099 26 54	100 06 20
045	La Moure	046 16 57	047 37 55	098 01 29	099 02 17
047	Logan	046 16 54	047 37 55	C99 01 59	100 54 27
049	McBenry	C47 50 55	049 38 03	100 11 15	101 03 59
051	McIntosh	045 56 20	046 17 19	098 59 57	100 51 54
053	McKenzie	047 19 31	048 08 46	102 32 49	104 02 50
055	McLean	047 09 11	048 51 15	100 34 28	102 22 09
057	Mercer	046 58 50	048 34 55	101 14 57	102 11 59
059	Morton	046 16 51	047 59 01	100 32 33	102 06 07
061	Mountrail	C47 45 18	049 32 58	101 51 55	103 52 42
063	Nelson	047 40 15	048 11 58	097 52 00	099 31 32
065	Oliver	046 58 55	047 18 11	100 51 59	102 45 17
067	Pembina	048 32 45	049 00 09	C97 05 46	098 55 50
069	Pierce	047 50 44	049 32 49	C99 29 51	100 16 21
071	Ramsey	047 55 27	049 32 44	C98 17 17	099 12 04
073	Ransom	046 16 50	047 37 40	097 16 36	098 01 36
075	Renville	048 27 26	049 00 09	101 03 48	1C2 00 59
077	Richland	045 56 24	047 37 49	096 32 22	097 16 44
079	Rolette	048 32 38	049 00 07	099 29 51	100 11 22
081	Sargent	045 56 05	046 16 58	097 13 05	098 00 17
083	Sheridan	047 19 37	048 51 02	100 01 45	101 39 33
085	Sioux	045 56 25	046 25 44	100 29 53	1C2 00 01
087	Slope	046 16 28	047 37 56	102 54 43	104 02 44
089	Stark	046 37 40	047 00 33	102 05 34	103 14 05
091	Steele	047 13 55	048 40 25	097 26 23	098 58 17
093	Stutsman	046 37 46	047 19 55	098 26 05	099 28 53
095	Towner	048 22 22	049 59 58	098 57 56	100 31 43
097	Traill	047 14 04	048 40 16	096 49 24	097 27 50
099	Walsh	041 11 34	049 32 48	097 08 18	098 18 57
101	Ward	047 51 06	049 48 29	100 57 23	102 13 36
103	Wells	047 19 43	048 51 00	099 16 16	100 04 18
105	Williams	047 57 16	049 38 06	102 49 04	104 03 04

STATE NAME: OHIO

STATE ABEREVIATION: OH

STATE CODE: 39

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	038 37 15	039 04 05	083 14 53	084 42 27
003	Allen	040 38 47	041 55 54	083 52 46	084 24 04
005	Ashland	040 34 15	041 04 55	082 07 35	082 26 12
007	Ashtabula	041 30 07	042 58 13	080 31 39	081 00 30
009	Athens	039 11 26	040 34 16	081 43 27	082 17 28
011	Auglaize	040 21 22	041 41 25	083 52 39	084 27 51
013	Belmont	039 51 28	040 11 15	080 42 29	081 13 40
015	Brown	038 39 46	039 15 55	083 40 00	084 03 01
017	Butler	039 18 06	040 35 48	084 19 51	085 49 24
019	Carroll	040 26 26	041 44 39	080 51 09	081 19 16
021	Champaign	040 00 57	040 16 43	083 29 48	084 02 06
023	Clark	039 46 24	040 02 58	083 31 01	084 03 26
025	Clermont	038 47 37	039 16 31	083 59 41	084 18 42
027	Clinton	039 14 30	040 34 37	083 34 02	084 00 52
029	Columbiana	040 35 15	041 56 30	080 30 47	081 04 48
031	Coshocton	040 09 53	040 28 27	081 36 46	082 12 09
033	Crawford	040 42 46	041 00 45	082 43 27	083 06 48
035	Cuyahoga	041 17 22	042 38 37	081 22 28	082 58 18
037	Darke	039 55 11	040 21 24	084 25 43	085 49 16
039	Defiance	041 10 26	041 26 08	084 14 09	085 48 15
041	Delaware	040 08 21	040 27 21	082 43 41	083 14 40
043	Erie	041 18 23	041 29 21	082 20 53	083 52 05
045	Fairfield	039 33 46	040 56 38	082 22 02	083 49 42
047	Fayette	039 22 59	040 43 03	083 14 47	084 39 36
049	Franklin	039 47 49	040 09 01	082 44 48	083 15 21
051	Fulton	041 29 19	042 44 25	083 52 47	084 24 03
053	Gallia	038 35 24	039 02 47	082 04 46	083 34 28
055	Geauga	041 21 54	042 44 11	081 00 27	081 23 37
057	Greene	039 33 12	040 51 21	083 38 33	084 07 42
059	Guernsey	039 51 04	040 14 30	081 13 12	082 43 31
061	Hamilton	039 01 25	039 18 53	084 15 33	085 49 33
063	Hancock	040 49 35	041 10 46	083 25 07	084 52 53
065	Hardin	040 30 40	041 49 48	083 25 10	084 52 50
067	Harrison	040 10 31	040 27 32	080 51 17	081 20 10
069	Henry	041 10 27	041 29 42	083 52 53	084 20 36

071	Highland	039 01 40	039 23 03	083 20 52	084 53 48
073	Hocking	039 22 31	040 40 03	082 09 44	083 44 34
075	Holmes	040 27 32	041 41 09	081 38 41	082 13 39
077	Huron	041 00 25	041 18 36	082 20 53	083 50 26
079	Jackson	038 51 25	039 13 20	082 24 58	083 47 51
081	Jefferson	040 09 49	041 36 44	080 36 43	081 56 14
083	Knox	040 15 01	041 35 24	082 10 34	083 44 07
085	Lake	041 35 10	042 51 43	081 00 21	081 29 08
087	Lawrence	038 25 49	039 51 48	082 17 10	083 47 53
089	Licking	039 55 14	040 17 52	082 11 13	083 45 56
091	Logan	040 14 36	041 32 28	083 31 13	084 00 56
093	Lorain	041 04 39	042 30 39	081 52 10	082 21 02
095	Lucas	041 25 45	042 45 08	083 10 00	084 53 28
097	Madison	039 42 00	040 07 12	083 12 19	084 38 51
099	Mahoning	040 54 27	041 08 45	080 30 47	081 04 49
101	Marion	040 25 55	041 42 54	082 50 58	083 25 18
103	Medina	041 00 14	041 17 40	081 40 37	082 09 59
105	Meigs	038 53 28	039 12 56	081 45 08	082 18 58
107	Mercer	040 21 19	041 44 08	084 27 34	085 48 46
109	Miami	039 53 09	040 12 12	084 01 34	084 25 59
111	Monroe	039 33 34	040 53 00	080 49 34	081 18 53
113	Montgomery	039 35 00	040 55 37	084 03 14	084 29 39
115	Morgan	039 27 56	040 46 48	081 34 31	082 04 46
117	Morrow	040 22 07	041 43 54	082 36 48	083 01 11
119	Muskingum	039 46 00	040 11 07	081 41 10	082 14 12
121	Noble	039 35 55	040 57 59	081 13 40	082 41 42
123	Ottawa	041 27 51	042 38 18	082 43 07	083 25 19
125	Paulding	040 59 36	041 15 41	084 20 56	085 48 15
127	Perry	039 34 02	040 55 51	082 01 32	082 28 06
129	Pickaway	039 28 44	040 48 50	082 43 03	083 15 43
131	Pike	038 57 40	039 12 25	082 46 34	083 22 21
133	Portage	041 00 08	041 21 54	080 59 50	081 23 49
135	Preble	039 34 22	040 55 43	084 28 48	085 49 15
137	Putnam	040 51 32	041 10 31	083 52 53	084 24 08
139	Richland	040 33 53	041 00 32	082 20 04	083 43 29
141	Ross	039 10 44	040 31 03	082 43 25	083 23 41
143	Sandusky	041 15 57	042 30 50	082 50 25	083 25 19
145	Scioto	038 35 31	039 00 58	082 39 04	083 15 14
147	Seneca	041 00 04	041 16 01	082 49 49	083 25 16
149	Shelby	040 11 15	040 29 10	083 59 15	084 26 27
151	Stark	040 39 04	041 00 23	081 04 48	082 38 41
153	Summit	040 55 18	041 22 15	081 23 37	082 40 56
155	Trumbull	041 08 06	042 30 22	080 31 18	081 00 27

157	Tuscarawas	040 13 40	041 41 28	081 15 50	082 42 25
159	Union	040 06 55	041 31 33	083 10 05	084 33 12
161	Van Wert	040 41 10	041 59 43	084 21 07	085 48 45
163	Vinton	039 02 08	039 24 32	082 15 34	083 45 20
165	Warren	039 15 53	040 35 46	083 58 33	084 21 06
167	Washington	039 13 19	040 39 58	081 01 52	082 50 42
169	Wayne	040 41 06	041 00 22	081 38 29	082 07 47
171	Williams	041 25 49	042 43 15	084 20 31	085 47 57
173	Wood	041 10 31	042 37 34	083 25 13	084 53 20
175	Wyandot	040 41 46	041 00 16	083 06 14	084 30 57

STATE NAME: OKLAHOMA

STATE ABBREVIATION: OK

STATE CODE: 40

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adair	035 39 21	036 11 31	094 29 00	095 48 26
003	Alfalfa	036 27 56	037 59 59	098 05 55	099 32 49
005	Atoka	034 09 39	035 41 54	095 40 49	096 24 06
007	Beaver	036 29 21	037 00 00	100 00 11	101 56 49
009	Beckham	035 01 49	036 30 24	099 21 43	100 00 29
011	Blaine	035 33 02	036 09 36	098 11 54	099 37 27
013	Bryan	033 41 48	034 09 56	095 49 39	097 37 56
015	Caddo	034 51 23	036 33 06	098 05 38	099 37 08
017	Canadian	035 19 05	036 43 03	097 39 28	098 18 15
019	Carter	034 04 18	035 30 46	096 55 16	098 33 10
021	Cherokee	035 39 48	036 11 41	094 47 55	095 18 50
023	Choctaw	033 52 13	034 11 41	095 09 43	096 56 16
025	Cimarron	036 28 48	037 59 57	102 00 21	103 00 28
027	Cleveland	034 56 00	035 21 58	097 08 41	098 39 30
029	Coal	034 25 20	035 46 17	096 04 29	097 30 22
031	Comanche	034 23 57	035 51 50	098 05 02	099 49 04
033	Cotton	034 03 53	035 30 30	098 07 54	099 39 25
035	Craig	036 32 11	037 00 49	095 00 26	095 26 44
037	Creek	035 38 02	036 09 39	096 01 36	097 37 08
039	Custer	035 27 40	036 48 36	098 37 06	099 22 35
041	Delaware	036 10 57	037 41 48	094 34 20	095 01 18
043	Dewey	035 48 35	036 09 49	098 37 21	099 23 06
045	Ellis	035 50 17	037 34 36	099 22 54	100 00 22
047	Garfield	036 08 59	037 35 28	097 27 38	098 06 13
049	Garvin	034 30 37	035 51 33	096 55 15	098 39 45
051	Grady	034 40 45	035 22 37	097 39 30	098 05 47
053	Grant	036 35 13	037 00 02	097 27 38	098 06 44
055	Greer	034 43 47	035 07 15	099 14 30	100 53 20
057	Harmon	034 30 29	035 01 58	099 39 45	100 00 21
059	Harper	036 34 35	037 59 53	099 17 36	100 00 30
061	Haskell	035 05 01	035 29 03	094 49 06	095 27 23
063	Hughes	034 46 13	035 17 45	095 58 13	096 28 35
065	Jackson	034 20 33	035 51 54	099 03 17	100 49 14
067	Jefferson	033 50 28	034 17 39	097 30 22	098 08 07
069	Johnston	034 06 56	035 30 40	096 23 46	097 55 22

071	Kay	036 35 28	037 00 02	096 44 47	097 27 56
073	Kingfisher	035 42 48	036 09 24	097 39 52	098 12 33
075	Kiowa	034 35 36	035 07 44	098 36 27	099 23 38
077	Latimer	034 42 34	035 05 15	094 55 46	096 31 25
079	Le Flore	034 31 54	035 23 54	094 26 35	095 03 59
081	Lincoln	035 27 11	036 55 56	096 36 45	097 08 40
083	Logan	035 42 40	036 09 14	097 08 38	098 40 03
085	Love	033 42 50	034 04 19	096 55 06	098 32 37
087	McClain	034 51 26	035 19 05	096 55 21	098 39 45
089	McCurtain	033 39 42	035 32 41	094 28 49	095 09 48
091	McIntosh	035 09 46	036 35 06	095 20 42	096 58 26
093	Major	036 09 19	037 30 31	098 05 55	099 57 27
095	Marshall	033 49 24	034 10 36	096 31 48	097 57 27
097	Mayes	036 06 18	037 32 32	095 00 59	095 26 43
099	Murray	034 19 44	035 38 39	096 49 06	097 20 30
101	Muskogee	035 18 05	036 52 06	095 04 13	096 46 17
103	Noble	036 09 12	037 36 44	096 53 16	097 27 40
105	Nowata	036 37 19	037 01 00	095 25 18	096 49 04
107	Okfuskee	035 17 34	036 38 05	095 58 21	097 36 53
109	Oklahoma	035 21 53	036 42 48	097 08 34	098 39 52
111	Okmulgee	035 23 15	036 51 41	095 42 31	096 11 08
113	Osage	036 09 39	037 00 32	096 00 30	097 04 36
115	Ottawa	036 41 01	037 00 54	094 37 55	095 00 30
117	Pawnee	036 09 22	037 33 54	096 14 47	097 02 14
119	Payne	035 55 53	036 14 16	096 37 05	097 21 45
121	Pittsburg	034 37 07	035 19 50	095 21 03	096 04 42
123	Pontotoc	034 30 17	035 57 16	096 23 32	097 55 29
125	Pottawatomie	034 54 05	035 27 21	096 36 47	097 08 57
127	Pushmataha	034 10 50	035 43 13	094 56 42	096 47 35
129	Roger Mills	035 24 48	036 59 54	099 21 45	100 00 30
131	Rogers	036 06 18	037 37 27	095 19 59	096 49 33
133	Seminole	034 51 53	035 28 06	096 25 38	097 45 35
135	Sequoyah	035 17 26	036 40 04	094 26 35	095 08 30
137	Stephens	034 17 28	035 41 13	097 32 57	098 08 26
139	Texas	036 29 16	037 00 02	100 55 59	102 01 20
141	Tillman	034 07 49	035 38 36	098 36 08	099 13 57
143	Tulsa	035 51 32	036 26 39	095 46 07	096 17 09
145	Wagoner	035 48 04	036 11 46	095 14 23	096 49 41
147	Washington	036 25 58	037 00 52	095 48 05	096 00 47
149	Washita	035 06 10	035 27 46	098 36 10	099 22 15
151	Woods	036 23 35	037 00 04	098 31 46	099 28 31
153	Woodward	036 09 37	037 48 13	098 56 18	100 36 24

STATE NAME: OREGON

STATE ABBREVIATION: CR

STATE CODE: 41

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Baker	044 15 23	045 05 31	116 46 18	119 30 34
003	Benton	044 16 21	045 42 59	123 04 44	124 46 09
005	Clackamas	044 52 14	045 27 11	121 39 02	123 51 06
007	Clatsop	045 45 35	046 13 46	123 21 11	124 58 08
009	Columbia	045 42 38	046 10 18	122 46 05	123 22 16
011	Coos	042 39 57	044 36 12	123 41 19	124 26 42
013	Crook	043 41 31	045 33 38	119 38 48	121 06 36
015	Curry	042 00 21	043 57 33	123 43 10	125 31 56
017	Deschutes	043 35 47	044 23 28	119 53 00	122 00 38
019	Douglas	042 40 45	044 56 16	121 58 52	124 10 45
021	Gilliam	045 03 45	046 48 16	119 45 27	121 39 16
023	Grant	043 57 12	045 59 59	118 13 33	120 40 19
025	Harney	042 00 38	044 02 50	118 11 32	120 56 31
027	Hood River	045 15 02	046 42 34	121 25 40	122 55 55
029	Jackson	042 00 34	043 59 45	122 16 52	123 14 39
031	Jefferson	044 23 14	045 49 19	120 21 46	122 51 09
033	Josephine	042 00 30	043 46 14	123 13 45	124 02 53
035	Klamath	042 00 40	044 36 45	120 52 41	122 18 13
037	Lake	042 00 38	044 36 43	119 21 32	121 20 35
039	Lane	043 25 13	044 17 23	121 45 43	124 07 52
041	Lincoln	044 15 47	045 02 09	123 35 23	124 03 30
043	Linn	044 11 37	045 47 34	121 47 20	123 15 09
045	Malheur	042 00 29	044 26 37	116 54 22	118 14 28
047	Marion	044 40 33	045 16 29	121 44 07	123 10 28
049	Morrow	044 59 39	046 55 09	119 08 37	120 01 01
051	Multnomah	045 25 07	046 42 44	121 48 42	123 54 41
053	Polk	044 42 21	045 03 54	123 01 50	124 42 52
055	Sherman	045 04 27	046 43 48	120 22 02	121 01 17
057	Tillamook	045 01 54	046 46 13	123 17 15	124 58 38
059	Umatilla	044 59 46	046 00 29	117 58 17	119 26 00
061	Union	044 57 40	046 52 03	117 15 28	119 41 40
063	Wallowa	045 05 05	046 00 40	116 27 52	118 58 58
065	Wasco	044 49 01	046 41 36	120 22 42	122 47 44
067	Washington	045 18 21	046 46 01	122 43 56	123 28 35
069	Wheeler	044 17 53	045 04 12	119 38 43	120 29 44

071	Yamhill	045 03 50	045 25 30	122 50 42	124 45 49

STATE NAME: PENNSYLVANIA

STATE ABBREVIATION: PA

STATE CODE: 42

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	039 43 37	040 04 06	076 57 49	077 27 23
003	Allegheny	040 11 34	041 40 36	079 41 44	080 21 04
005	Armstrong	040 31 35	041 08 49	079 12 22	080 41 44
007	Beaver	040 28 45	041 51 17	080 08 45	081 31 12
009	Bedford	039 43 34	040 19 32	078 08 00	079 47 51
011	Berks	040 08 26	041 40 28	075 32 05	076 26 01
013	Blair	040 14 51	041 44 23	078 07 00	079 37 05
015	Bradford	041 32 53	042 00 06	076 07 56	077 56 08
017	Bucks	040 03 11	041 36 53	074 43 59	075 28 46
019	Butler	040 40 26	041 10 04	079 41 39	080 09 26
021	Cambria	040 14 22	041 43 57	078 21 09	079 03 07
023	Cameron	041 13 01	042 36 48	077 59 10	078 25 37
025	Carbon	040 44 28	041 07 43	075 29 05	076 59 44
027	Centre	040 41 50	041 15 06	077 09 07	078 21 58
029	Chester	039 43 50	040 14 58	075 21 44	076 06 20
031	Clarion	040 58 45	041 25 43	079 12 26	080 41 40
033	Clearfield	040 43 33	041 15 05	078 03 31	079 47 56
035	Clinton	040 56 59	041 28 38	077 09 07	078 06 10
037	Columbia	040 46 18	041 18 12	076 12 30	077 38 43
039	Crawford	041 28 32	042 50 43	079 36 44	081 31 51
041	Cumberland	039 58 04	040 19 41	076 51 33	078 37 20
043	Dauphin	040 07 48	041 39 01	076 32 47	077 01 40
045	Delaware	039 48 23	040 04 12	075 14 20	076 36 58
047	Elk	041 12 26	042 37 10	078 14 45	079 04 52
049	Erie	041 50 08	042 15 51	079 37 01	081 31 57
051	Fayette	039 43 26	040 08 40	079 17 16	080 00 26
053	Forest	041 19 32	042 36 49	078 56 41	080 31 19
055	Franklin	039 43 33	040 16 26	077 26 59	078 05 38
057	Fulton	039 43 22	040 09 30	077 51 39	078 22 41
059	Greene	039 43 24	040 01 24	079 53 06	081 31 10
061	Huntingdon	040 03 26	041 44 50	077 38 25	078 15 40
063	Indiana	040 23 03	041 54 31	078 47 48	079 27 04
065	Jefferson	040 54 21	041 22 12	078 44 05	079 12 44
067	Juniata	040 15 42	041 41 32	076 56 20	078 45 13
069	Lackawanna	041 09 18	042 38 25	075 26 50	076 50 47

071	Lancaster	039 43 47	040 19 15	075 52 29	077 43 15
073	Lawrence	040 50 58	041 07 44	080 05 48	081 31 03
075	Lebanon	040 11 53	041 33 14	076 09 35	077 41 04
077	Lehigh	040 25 31	041 47 24	075 20 08	076 52 51
079	Luzerne	040 54 31	041 24 59	075 36 24	076 18 59
081	Lycoming	041 03 55	042 35 23	076 27 53	078 36 29
083	McKean	041 35 52	042 00 16	078 12 32	078 57 03
085	Mercer	041 04 03	041 29 12	080 00 05	081 31 25
087	Mifflin	040 21 08	041 50 33	077 16 25	078 53 13
089	Monroe	040 49 05	041 14 58	074 59 02	076 38 28
091	Montgomery	039 58 48	040 27 19	075 00 44	076 41 42
093	Montour	040 51 49	041 09 47	076 30 49	077 47 41
095	Northampton	040 32 44	041 57 28	075 04 11	076 36 29
097	Northumberland	040 36 16	041 10 22	076 23 07	077 56 32
099	Perry	040 10 59	041 37 40	076 55 00	078 40 21
101	Philadelphia	039 51 17	040 08 26	074 57 18	075 16 30
103	Pike	041 05 01	042 35 53	074 43 39	075 23 07
105	Potter	041 28 31	042 00 07	077 36 22	078 13 02
107	Schuylkill	040 29 27	041 57 02	075 45 27	077 42 23
109	Snyder	040 37 40	041 53 22	076 47 46	077 21 42
111	Somerset	039 43 33	040 18 10	078 39 23	079 24 59
113	Sullivan	041 15 32	042 34 53	076 13 49	077 50 09
115	Susquehanna	041 38 19	042 00 10	075 28 10	076 08 51
117	Tioga	041 31 29	042 00 07	076 53 01	078 36 43
119	Union	040 48 15	041 08 29	076 49 29	077 21 52
121	Venango	041 09 50	042 36 39	079 28 23	080 00 14
123	Warren	041 36 26	042 00 13	078 54 53	080 37 02
125	Washington	039 57 04	040 28 46	079 50 23	081 31 20
127	Wayne	041 13 35	042 00 16	075 03 15	076 30 50
129	Westmoreland	040 02 12	041 40 44	078 58 20	080 53 31
131	Wyoming	041 21 53	042 38 58	075 44 22	076 17 39
133	York	039 43 41	040 13 45	076 14 08	077 08 11

STATE NAME: RHODE ISLAND

STATE ABBREVIATION: RI

STATE CODE: 44

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Bristol	041 38 47	042 46 29	071 09 48	071 21 06
003	Kent	041 36 06	042 46 18	071 18 38	072 47 17
005	Newport	041 25 50	042 42 59	071 06 36	071 21 55
007	Providence	041 43 37	042 01 45	071 19 34	072 47 33
009	Washington	041 18 23	042 42 28	071 21 49	072 51 31

STATE NAME: SOUTH CAROLINA

STATE ABBREVIATON: SC

STATE CODE: 45

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Abbeville	034 01 29	034 29 03	082 14 18	083 44 24
003	Aiken	033 12 05	034 52 53	081 11 30	082 02 21
005	Allendale	032 44 22	033 09 52	081 04 16	082 37 50
007	Anderson	034 13 03	035 49 33	082 19 35	083 00 20
009	Bamberg	033 01 42	033 26 00	080 46 33	081 13 39
011	Barnwell	033 05 15	033 29 28	081 12 05	082 46 25
013	Beaufort	032 02 33	033 42 59	080 28 30	081 06 15
015	Berkeley	032 50 34	034 30 40	079 26 52	080 22 07
017	Calhoun	033 28 17	034 53 13	080 29 58	081 03 35
019	Charleston	032 29 31	033 13 22	079 16 07	080 27 01
021	Cherokee	034 50 59	035 11 32	081 21 54	082 52 15
023	Chester	034 32 38	035 49 21	080 51 35	081 29 13
025	Chesterfield	034 21 46	035 48 44	079 46 17	081 32 31
027	Clarendon	033 26 37	034 56 25	079 52 35	081 30 54
029	Colleton	032 30 03	033 10 52	080 22 00	081 04 16
031	Darlington	034 05 42	035 21 23	079 39 31	080 16 53
033	Dillon	034 14 25	035 36 40	079 03 44	080 36 51
035	Dorchester	032 49 10	033 19 41	080 04 55	081 46 33
037	Edgefield	033 32 48	034 58 51	081 40 16	082 10 36
039	Fairfield	034 10 16	035 34 32	080 46 26	081 25 45
041	Florence	033 46 38	034 18 34	079 18 03	080 03 25

043	Georgetown	033 07 36	034 46 15	079 00 05	080 40 41
045	Greenville	034 29 03	035 12 33	082 08 37	083 46 12
047	Greenwood	033 57 32	034 24 59	081 51 58	082 19 32
049	Hampton	032 33 21	033 01 42	080 50 04	081 25 15
051	Horry	033 34 23	034 18 04	078 33 30	079 19 06
053	Jasper	032 05 33	033 45 12	080 49 08	081 17 22
055	Kershaw	034 05 16	035 37 29	080 16 53	081 52 48
057	Lancaster	034 28 01	035 04 50	080 24 22	081 54 45
059	Laurens	034 12 48	035 47 00	081 39 22	082 19 35
061	Lee	033 57 13	034 21 54	080 00 04	080 28 27
063	Lexington	033 39 21	034 12 15	080 55 30	082 34 36
065	McCormick	033 36 59	034 05 16	082 02 43	083 35 31
067	Marion	033 42 02	034 18 11	079 06 52	080 33 33
069	Marlboro	034 17 54	035 48 23	079 26 38	080 54 42
071	Newberry	034 05 10	035 32 20	081 18 41	082 55 46
073	Oconee	034 29 12	035 01 11	082 50 07	083 22 05
075	Orangeburg	033 10 52	034 42 47	080 13 10	081 23 04
077	Pickens	034 36 59	035 05 11	082 29 20	083 00 19
079	Richland	033 44 56	034 16 00	080 35 07	081 20 19
081	Saluda	033 49 09	034 11 02	081 28 35	082 00 36
083	Spartanburg	034 36 17	035 12 06	081 43 11	082 13 32
085	Sumter	033 37 03	034 09 55	079 53 09	081 37 49
087	Union	034 27 43	035 54 48	081 25 16	082 50 27
089	Williamsburg	033 19 43	034 53 19	079 18 36	080 05 46
091	York	034 49 15	035 10 22	080 52 19	081 29 52

STATE NAME: SOUTH DAKOTA

STATE ABBREVIATION: SD

STATE CODE: 46

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
003	Aurora	043 29 39	044 56 06	098 18 49	099 49 03
005	Beadle	044 11 44	045 37 49	097 50 21	099 42 12
007	Bennett	042 59 53	043 23 09	101 23 43	102 06 50
009	Bon Homme	042 45 11	043 10 14	097 37 50	098 08 19
011	Brookings	044 12 04	045 32 44	096 25 48	097 07 27
013	Brown	045 14 13	046 56 18	097 58 37	099 43 26
015	Brule	043 29 34	044 56 03	098 47 36	099 28 09
017	Buffalo	043 55 41	044 11 40	098 55 47	100 34 50
019	Butte	044 33 56	045 12 46	102 56 56	104 03 19

021	Campbell	045 35 18	046 56 36	099 42 48	100 29 53
023	Charles Mix	042 48 18	043 29 44	098 04 34	099 19 02
025	Clark	044 32 23	045 09 20	097 29 07	098 59 02
027	Clay	042 40 44	043 04 44	096 47 43	097 09 49
029	Codington	044 48 16	045 09 20	096 52 21	098 30 31
031	Corson	045 27 47	046 56 32	100 17 58	102 00 19
033	Custer	043 28 06	044 51 03	102 41 03	104 03 49
035	Davison	043 29 42	044 50 55	097 56 36	098 18 58
037	Day	045 08 54	046 35 14	097 13 00	098 59 02
039	Deuel	044 32 42	045 58 59	096 26 00	097 52 51
041	Dewey	044 43 32	045 27 50	100 15 47	101 29 42
043	Douglas	043 11 27	043 29 52	098 06 36	099 43 32
045	Edmunds	045 14 13	046 35 22	098 42 50	100 42 51
047	Fall River	043 59 58	043 28 32	103 00 27	104 03 49
049	Faulk	044 53 21	045 14 22	098 42 50	100 34 23
051	Grant	044 58 43	045 19 28	096 26 03	097 13 12
053	Gregory	043 59 58	043 29 34	098 30 50	100 32 50
055	Haakon	043 59 12	045 44 42	101 02 52	102 00 47
057	Hamlin	044 32 33	045 48 24	096 52 49	097 29 20
059	Hand	044 11 25	045 53 31	098 41 40	099 18 50
061	Hanson	043 29 48	044 51 09	097 35 34	098 56 38
063	Harding	045 12 24	046 56 40	102 55 18	104 03 04
065	Hughes	044 05 38	045 32 38	099 36 49	101 35 15
067	Hutchinson	043 09 55	044 30 01	097 23 16	098 06 46
069	Hyde	044 11 22	045 53 43	099 17 46	100 40 47
071	Jackson	043 40 47	044 59 17	101 04 18	102 01 33
073	Jerauld	043 56 02	044 11 49	098 19 45	099 55 49
075	Jones	043 42 37	044 09 42	100 20 34	101 04 27
077	Kingsbury	044 12 01	045 32 37	097 07 22	098 50 59
079	Lake	043 50 54	044 12 18	096 51 05	097 22 04
081	Lawrence	044 08 12	045 35 54	103 27 00	104 03 30
083	Lincoln	043 04 43	043 29 52	096 25 59	097 55 03
085	Lyman	043 29 34	044 12 58	099 17 52	100 21 59
087	McCook	043 29 48	044 51 09	097 06 29	098 35 47
089	McPherson	045 35 11	046 56 30	098 43 14	100 42 51
091	Marshall	045 33 36	046 56 24	097 13 13	098 58 54
093	Meade	044 07 54	045 02 00	102 00 05	104 34 15
095	Mellette	043 22 51	044 50 40	100 12 50	101 14 08
097	Miner	043 50 56	044 12 18	097 21 15	098 50 40
099	Minnehaha	043 29 44	044 51 05	096 25 43	097 06 32
101	Moody	043 50 54	044 12 16	096 25 45	097 52 10
103	Pennington	043 40 35	045 30 27	101 59 18	104 03 30
105	Perkins	045 01 55	046 56 29	102 00 01	103 57 17
107	Potter	044 53 16	045 14 24	099 34 20	100 25 21

109	Roberts	045 17 28	046 56 28	096 26 15	097 13 22
111	Sanborn	043 50 50	044 12 01	097 50 21	098 20 04
113	Shannon	042 59 56	044 41 31	102 04 44	103 00 33
115	Spink	044 37 42	045 14 33	097 58 21	099 42 53
117	Stanley	044 09 30	045 46 56	099 54 44	101 10 15
119	Sully	044 32 23	045 53 34	099 40 34	101 44 08
121	Todd	042 59 50	043 23 09	100 11 49	101 14 08
123	Tripp	042 59 50	044 45 18	099 32 22	100 13 56
125	Turner	043 04 43	044 30 01	096 54 58	097 23 36
127	Union	042 28 26	043 04 48	096 26 17	097 48 40
129	Walworth	045 14 22	046 35 22	099 42 06	100 28 47
131	Washabaugh	043 23 01	044 47 07	101 14 08	102 08 34
135	Yankton	044 30 27	045 27 50	101 07 35	102 00 19

STATE NAME: TENNESSEE

STATE ABBREVIATION: TN

STATE CODE: 47

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Anderson	035 54 31	036 17 04	083 55 30	084 27 26
003	Bedford	035 21 06	036 42 35	086 14 20	087 39 31
005	Benton	035 49 36	036 21 40	087 55 33	088 13 20
007	Bledsoe	035 22 34	036 46 44	084 54 24	085 26 17
009	Blount	035 27 33	036 53 20	083 39 22	084 11 33
011	Bradley	034 58 54	035 21 44	084 42 21	085 01 56
013	Campbell	036 11 03	037 35 27	083 54 44	084 22 18
015	Cannon	035 39 47	036 58 34	085 50 54	086 11 43
017	Carroll	035 47 02	036 08 52	088 10 58	089 42 15
019	Carter	036 06 17	037 30 58	081 56 05	082 20 41
021	Cheatham	036 02 55	036 27 49	086 54 47	087 18 44
023	Chester	035 14 14	036 35 21	088 21 57	089 50 55
025	Claiborne	036 18 03	037 36 01	083 21 31	084 01 53
027	Clay	036 23 46	037 37 43	085 16 23	086 48 48
029	Cocke	035 41 56	036 11 09	082 53 28	083 18 30
031	Coffee	035 16 35	036 42 32	085 50 43	086 16 31
033	Crockett	035 39 43	036 58 53	088 53 45	089 21 44
035	Cumberland	035 44 57	036 09 31	084 42 42	085 15 58
037	Davidson	035 58 04	036 24 42	086 29 58	087 02 08
039	Decatur	035 23 52	036 51 16	087 58 27	088 14 29
041	De Kalb	035 49 58	036 08 10	085 38 18	086 04 23
043	Dickson	035 57 22	036 19 58	087 08 28	088 34 34
045	Dyer	035 52 11	036 12 03	089 09 21	090 43 09
047	Fayette	034 59 29	035 25 04	089 11 01	090 38 42
049	Fentress	036 08 19	037 34 35	084 39 56	085 07 26
051	Franklin	034 59 13	035 21 41	085 51 14	086 19 02
053	Gibson	035 47 29	036 12 02	088 41 41	089 12 32
055	Giles	034 59 38	035 28 13	086 48 13	087 13 30
057	Grainger	036 05 23	036 25 10	083 13 23	084 43 11
059	Greene	035 55 45	036 24 52	082 35 31	083 09 31
061	Grundy	035 12 25	036 31 57	085 29 13	086 53 37
063	Hamblen	036 04 23	036 21 15	083 02 28	083 28 51
065	Hamilton	034 58 40	035 25 45	084 57 09	085 27 14
067	Hancock	036 23 34	037 35 35	082 50 13	083 28 23
069	Hardeman	034 59 28	035 26 18	088 47 21	089 11 54

071	Hardin	034 59 37	035 25 48	087 59 06	088 23 42
073	Hawkins	036 15 48	037 35 41	082 36 00	083 16 36
075	Haywood	035 23 57	036 49 14	089 03 51	089 27 05
077	Henderson	035 25 35	036 49 20	088 11 07	089 36 31
079	Henry	036 08 16	037 30 31	088 00 01	089 32 04
081	Hickman	035 36 14	036 58 47	087 12 09	088 44 46
083	Houston	036 10 03	036 21 05	087 31 42	088 59 21
085	Humphreys	035 47 26	036 14 30	087 31 37	088 01 30
087	Jackson	036 14 18	037 31 31	085 29 34	086 50 18
089	Jefferson	035 54 28	036 11 45	083 12 30	084 41 47
091	Johnson	036 15 23	037 37 13	081 38 50	082 00 56
093	Knox	035 48 12	036 11 16	083 40 46	084 16 19
095	Lake	036 09 31	037 34 55	089 20 01	090 41 00
097	Lauderdale	035 34 16	036 55 48	089 20 52	090 56 41
099	Lawrence	035 00 07	035 27 33	087 12 33	088 36 24
101	Lewis	035 21 11	036 40 35	087 15 52	088 43 11
103	Lincoln	034 59 27	035 22 28	086 18 21	087 49 37
105	Loudon	035 36 42	036 54 31	084 07 46	085 35 13
107	McMinn	035 14 00	036 39 31	084 24 24	085 51 28
109	McNairy	034 59 38	035 23 07	088 22 15	089 47 36
111	Macon	036 25 02	037 38 31	085 45 14	086 13 24
113	Madison	035 26 16	036 47 57	088 35 59	089 03 55
115	Marion	034 58 42	035 19 02	085 22 08	086 51 43
117	Marshall	035 15 49	036 43 08	086 35 40	087 57 48
119	Maury	035 25 29	036 51 14	086 45 49	087 21 10
121	Meigs	035 15 24	036 45 05	084 37 05	085 00 58
123	Monroe	035 12 18	036 41 05	083 56 55	085 31 12
125	Montgomery	036 19 23	037 38 40	087 06 58	088 38 41
127	Moore	035 06 57	035 25 33	086 13 44	087 31 24
129	Morgan	035 53 13	036 22 12	084 20 05	085 54 30
131	Obion	036 11 56	037 30 21	088 50 07	089 29 34
133	Overton	036 08 44	037 31 37	085 05 01	085 29 50
135	Perry	035 27 06	036 49 36	087 39 04	088 02 56
137	Pickett	036 25 04	037 37 41	084 44 12	085 17 07
139	Polk	034 58 59	035 17 07	084 17 43	085 46 28
141	Putnam	035 58 28	036 18 30	085 05 27	086 48 25
143	Rhea	035 24 00	036 49 27	084 41 56	085 10 12
145	Roane	035 38 35	036 03 15	084 16 19	085 46 47
147	Robertson	036 21 27	037 39 08	086 33 37	087 08 06
149	Rutherford	035 37 59	036 06 08	086 08 29	087 41 03
151	Scott	036 09 26	037 36 51	084 11 55	085 47 06
153	Sequatchie	035 09 40	036 33 38	085 14 25	086 37 07
155	Sevier	035 33 35	036 03 23	083 14 44	084 47 09

157	Shelby	034 59 32	035 25 45	089 38 19	090 17 13
159	Smith	036 05 33	036 25 44	085 47 22	086 08 20
161	Stewart	036 20 51	037 40 20	087 35 17	088 03 40
163	Sullivan	036 22 22	037 37 07	081 49 21	083 41 22
165	Sumner	036 15 08	037 39 20	086 11 25	087 45 10
167	Tipton	035 22 10	036 38 24	089 27 02	090 11 27
169	Trousdale	036 17 05	036 29 25	085 59 00	086 15 49
171	Unicoi	035 57 48	036 15 08	082 13 16	083 38 43
173	Union	036 10 03	036 25 18	083 38 46	084 00 50
175	Van Buren	035 32 11	036 49 36	085 15 30	086 36 32
177	Warren	035 31 38	036 51 09	085 33 35	086 58 25
179	Washington	036 05 39	036 26 31	082 18 21	083 42 10
181	Wayne	035 00 29	035 29 57	087 34 28	088 02 56
183	Weakley	036 03 39	037 30 30	088 31 17	089 57 45
185	White	035 45 29	036 05 09	085 14 08	086 41 35
187	Williamson	035 42 39	036 03 03	086 35 54	087 13 04
189	Wilson	035 57 39	036 21 18	086 00 50	087 34 49

STATE NAME: TEXAS

STATE ABBREVIATION: TX

STATE CODE: 48

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Anderson	031 32 11	032 05 45	095 16 02	096 04 22
003	Andrews	032 04 34	033 31 13	102 12 14	103 04 23
005	Angelina	031 03 23	032 33 00	094 07 51	095 59 23
007	Aransas	028 09 04	028 18 53	096 47 58	097 07 50
009	Archer	033 23 18	034 50 19	098 25 07	099 56 52
011	Armstrong	034 44 45	035 11 00	101 04 58	102 37 13
013	Atascosa	028 36 13	029 15 25	098 05 26	099 49 12
015	Austin	029 35 45	030 06 16	096 01 00	097 36 46
017	Bailey	033 49 16	034 18 12	102 36 31	103 03 27
019	Bandera	029 32 49	030 53 13	098 47 01	100 36 22
021	Bastrop	029 47 10	030 24 07	097 01 54	098 38 30
023	Baylor	033 23 11	034 49 53	098 56 48	099 28 34
025	Bee	028 08 34	029 43 39	097 22 35	098 04 59
027	Bell	030 45 16	031 19 22	097 04 25	098 54 43
029	Bexar	029 07 01	030 45 55	098 07 18	099 49 13
031	Blanco	029 56 24	031 30 07	098 06 13	099 35 30
033	Borden	032 31 07	033 57 35	101 10 45	102 42 05
035	Bosque	031 35 41	032 13 02	097 16 47	098 00 30

037	Bowie	033 16 34	034 44 51	094 03 07	095 44 58
039	Brazoria	028 50 31	030 37 05	095 04 45	095 52 30
041	Brazos	030 19 32	031 58 13	096 06 29	097 35 48
043	Brewster	028 58 26	031 39 29	102 19 25	104 47 52
045	Briscoe	034 18 28	035 44 57	100 56 26	101 29 38
047	Brooks	026 47 27	027 16 41	097 59 43	099 32 28
049	Brown	031 28 01	032 04 48	098 39 05	099 12 34
051	Burleson	030 18 21	031 43 56	096 17 06	097 56 33
053	Burnet	030 25 05	031 01 52	097 49 48	098 27 32
055	Caldwell	029 38 20	030 04 00	097 19 00	098 54 23
057	Calhoun	028 20 28	029 43 40	095 26 09	097 56 02
059	Callahan	032 04 40	033 31 08	099 06 50	100 37 56
061	Cameron	025 56 10	026 23 26	097 08 54	098 52 01
063	Camp	032 55 54	033 06 18	094 44 12	095 09 27
065	Carson	035 10 49	036 37 01	101 04 55	102 37 13
067	Cass	032 53 47	033 20 08	094 03 06	095 39 08
069	Castro	034 18 09	035 45 03	102 01 49	103 31 20
071	Chambers	029 33 18	030 54 13	094 21 46	095 59 13
073	Cherokee	031 26 51	032 09 10	094 51 23	095 28 09
075	Childress	034 18 51	035 44 57	099 59 20	100 24 56
077	Clay	033 27 19	034 09 48	097 56 46	098 25 20
079	Cochran	033 23 00	034 49 43	102 35 54	103 03 50
081	Coke	031 41 18	032 04 59	100 14 06	101 49 51
083	Coleman	031 24 29	032 04 51	099 12 30	100 43 41
085	Collin	032 59 01	033 24 26	096 17 49	097 50 31
087	Collingsworth	034 44 52	035 10 50	100 00 13	101 32 32
089	Colorado	029 13 37	030 56 48	096 11 21	097 52 19
091	Comal	029 35 49	030 02 35	098 00 49	099 38 11
093	Comanche	031 40 58	032 15 50	098 09 15	099 54 57
095	Concho	031 05 15	032 34 34	099 37 57	100 07 14
097	Cooke	033 24 56	034 57 21	096 56 25	097 29 21
099	Coryell	031 04 00	032 43 17	097 25 10	098 12 04
101	Cottle	033 50 14	034 18 59	099 59 23	101 30 50
103	Crane	031 03 56	032 38 57	102 18 05	103 47 21
105	Crockett	030 15 30	031 04 25	100 58 00	102 21 30
107	Crosby	033 23 05	034 50 20	101 01 05	102 33 00
109	Culberson	030 38 51	032 59 37	104 00 48	105 55 11
111	Dallam	036 02 37	036 29 37	102 09 37	103 02 54
113	Dallas	032 32 42	033 59 22	096 31 13	097 02 00
115	Dawson	032 31 10	033 57 38	101 42 03	102 12 45
117	Deaf Smith	034 44 10	035 10 55	102 09 42	103 02 55
119	Delta	033 14 44	034 31 45	095 18 40	096 51 20
121	Denton	032 59 19	033 25 18	096 50 03	097 23 45

123	De Witt	028 48 34	029 22 22	096 58 59	098 45 08
125	Dickens	033 22 57	034 50 20	100 30 24	101 01 36
127	Dimmit	028 12 03	029 38 38	099 24 19	100 07 02
129	Donley	034 44 54	035 10 50	100 32 10	101 05 17
131	Duval	027 16 09	028 03 01	098 14 10	099 48 46
133	Eastland	032 04 36	033 31 07	098 27 36	099 07 05
135	Ector	031 38 45	032 04 59	102 16 46	103 48 52
137	Edwards	029 36 49	030 15 33	099 46 40	101 42 04
139	Ellis	032 03 52	033 32 58	096 23 12	097 05 36
141	El Paso	031 22 49	032 59 39	105 57 21	107 38 52
143	Erath	031 55 05	033 31 00	097 51 38	099 32 21
145	Falls	030 59 16	032 31 39	096 35 18	097 16 44
147	Fannin	033 20 58	034 52 20	095 51 12	096 23 15
149	Fayette	029 37 53	030 10 09	096 33 33	097 19 00
151	Fisher	032 31 10	033 57 49	100 08 35	101 39 20
153	Floyd	033 49 59	034 18 32	101 01 36	102 33 29
155	Foard	033 45 03	034 14 41	099 28 20	100 02 25
157	Fort Bend	029 15 35	030 47 46	095 25 49	096 05 44
159	Franklin	032 59 14	033 24 41	095 07 53	095 18 46
161	Freestone	031 25 55	032 01 00	095 47 43	096 29 44
163	Frio	028 38 38	029 05 14	098 48 55	099 24 28
165	Gaines	032 30 36	033 57 20	102 12 25	103 04 21
167	Galveston	029 13 44	030 36 49	094 22 51	095 14 12
169	Garza	032 57 11	033 23 17	101 01 05	102 32 52
171	Gillespie	030 06 14	030 29 56	098 35 25	099 17 24
173	Glasscock	031 38 47	032 05 05	101 15 50	102 45 51
175	Goliad	028 23 44	029 55 02	097 10 13	098 46 40
177	Gonzales	029 05 55	030 47 10	097 08 22	098 51 28
179	Gray	035 10 49	036 37 02	100 32 05	101 04 58
181	Grayson	033 24 23	034 57 59	096 23 09	097 56 45
183	Gregg	032 23 20	033 41 33	094 35 08	095 59 37
185	Grimes	030 13 21	031 51 42	095 48 48	096 11 37
187	Guadalupe	029 21 39	030 51 22	097 38 19	098 18 39
189	Hale	033 49 51	034 18 27	101 33 00	102 03 50
191	Hall	034 18 41	035 44 58	100 24 48	101 56 32
193	Hamilton	031 24 37	032 00 58	097 46 36	098 28 43
195	Hansford	036 02 52	036 29 20	101 04 34	102 37 30
197	Hardeman	034 04 44	035 34 07	099 28 15	100 59 26
199	Hardin	030 07 20	031 32 28	094 04 58	095 44 50
201	Harris	029 30 38	030 11 00	094 54 58	096 57 57
203	Harrison	032 22 11	033 49 51	094 03 02	095 42 48
205	Hartley	035 36 32	036 03 25	102 09 46	103 02 45
207	Haskell	032 57 32	033 23 11	099 28 14	100 59 11
209	Hays	029 45 20	030 20 22	097 42 35	098 17 43

211	Hemphill	035 36 59	036 02 46	100 00 20	101 32 24
213	Henderson	032 01 00	032 22 40	095 26 49	096 26 28
215	Hidalgo	026 03 03	027 47 34	097 51 58	099 35 37
217	Hill	031 42 15	032 16 28	096 42 52	097 29 57
219	Hockley	033 23 22	034 49 51	102 03 28	103 36 31
221	Hood	032 14 39	032 33 14	097 36 53	098 03 42
223	Hopkins	032 58 56	033 23 31	095 18 40	096 51 28
225	Houston	030 56 10	032 37 18	094 57 47	096 47 22
227	Howard	032 04 50	033 31 10	101 10 54	102 42 10
229	Hudspeth	030 36 52	032 59 28	104 54 24	106 59 51
231	Hunt	032 51 00	033 25 17	095 51 19	096 17 58
233	Hutchinson	035 36 52	036 03 10	101 04 35	102 37 21
235	Irion	031 04 16	032 31 45	100 41 48	101 16 28
237	Jack	032 59 44	033 27 26	097 55 13	098 25 31
239	Jackson	028 34 57	029 14 54	096 19 02	097 56 05
241	Jasper	030 15 16	031 10 36	093 52 11	094 27 28
243	Jeff Davis	030 23 53	031 06 06	103 27 01	105 58 25
245	Jefferson	029 35 53	030 12 23	093 48 26	094 26 44
247	Jim Hogg	026 47 29	027 22 31	098 25 20	099 58 03
249	Jim Wells	027 16 19	028 03 12	097 48 16	098 14 12
251	Johnson	032 09 16	033 32 55	097 05 32	098 36 58
253	Jones	032 31 08	033 57 40	099 37 27	100 09 02
255	Karnes	028 40 05	029 12 46	097 34 14	098 11 02
257	Kaufman	032 22 11	033 51 09	096 05 09	097 31 24
259	Kendall	029 42 46	030 06 35	098 25 18	099 54 35
261	Kenedy	026 36 14	027 17 17	097 27 10	098 00 18
263	Kent	032 57 27	033 23 05	100 30 07	101 01 34
265	Kerr	029 46 16	030 15 52	098 54 33	100 46 42
267	Kimble	030 15 33	031 41 43	099 17 11	100 06 59
269	King	033 22 57	034 50 19	099 59 03	101 30 36
271	Kinney	029 04 43	030 36 51	100 06 57	101 48 15
273	Kleberg	027 13 03	028 38 39	097 20 37	098 03 49
275	Knox	033 23 01	034 50 29	099 28 14	100 59 11
277	Lamar	033 23 16	034 57 33	095 18 40	096 51 50
279	Lamb	033 49 43	034 18 12	102 03 28	103 36 50
281	Lampasas	031 01 21	031 27 45	097 54 41	099 34 30
283	La Salle	028 02 43	029 38 52	098 48 46	099 24 30
285	Lavaca	029 02 31	030 37 57	096 34 15	097 15 02
287	Lee	030 02 30	031 33 54	096 38 59	097 22 16
289	Leon	030 58 13	032 40 37	095 39 55	096 21 03
291	Liberty	029 53 34	031 29 59	094 26 33	095 10 07
293	Limestone	031 13 31	032 49 00	096 14 26	097 55 32
295	Lipscomb	036 02 37	036 29 29	100 00 14	101 32 37

297	Live Oak	028 02 52	029 47 28	097 49 10	098 20 22
299	Llano	030 29 35	031 54 49	098 21 36	099 58 17
301	Loving	031 39 19	032 59 40	103 21 04	104 57 40
303	Lubbock	033 23 17	034 49 59	101 32 52	102 03 34
305	Lynn	032 57 21	033 23 22	101 32 30	102 03 59
307	McCullock	030 56 09	032 30 33	099 05 44	100 38 06
309	McLennan	031 15 02	032 52 15	096 48 05	098 35 55
311	McMullen	028 02 43	029 39 23	098 20 01	099 48 55
313	Madison	030 49 14	031 06 32	095 37 50	096 14 46
315	Marion	032 42 59	033 54 40	094 03 02	095 42 39
317	Martin	032 04 53	033 31 13	101 42 03	102 12 25
319	Mason	030 29 24	031 56 16	098 58 14	100 30 37
321	Matagorda	028 24 43	029 13 42	095 33 00	096 22 53
323	Maverick	028 11 46	029 04 45	100 06 44	101 41 19
325	Medina	029 04 53	030 40 23	098 49 11	099 24 28
327	Menard	030 41 36	031 05 33	099 30 29	100 07 14
329	Midland	031 38 47	032 05 08	101 45 46	102 17 21
331	Milam	030 27 13	031 06 07	096 37 40	097 18 45
333	Mills	031 13 32	032 43 14	098 17 23	099 59 31
335	Mitchell	032 04 55	033 31 10	100 39 15	101 10 54
337	Montague	033 25 49	034 59 21	097 29 00	098 58 52
339	Montgomery	030 02 25	031 38 26	095 06 15	096 50 19
341	Moore	035 36 47	036 03 25	101 37 12	102 09 59
343	Morris	032 54 28	033 23 25	094 38 56	095 49 08
345	Motley	033 50 19	034 18 54	100 30 36	101 02 01
347	Nacogdoches	031 14 50	032 52 31	094 19 38	095 59 17
349	Navarro	031 47 51	032 19 52	096 03 36	097 53 49
351	Newton	030 14 56	031 12 04	093 32 08	094 54 26
353	Nolan	032 04 48	033 31 10	100 08 35	101 39 20
355	Nueces	027 33 40	028 59 31	097 17 43	098 56 51
357	Ochiltree	036 02 46	036 29 29	100 32 24	101 04 35
359	Oldham	035 10 29	036 36 47	102 09 44	103 02 40
361	Orange	029 57 37	030 15 36	093 40 47	094 07 07
363	Palo Pinto	032 30 59	033 59 57	098 03 17	099 34 40
365	Panola	031 59 23	032 25 07	094 00 34	095 37 08
367	Parker	032 32 53	033 59 55	097 33 12	098 03 44
369	Parmer	034 17 45	035 44 43	102 31 15	103 03 15
371	Pecos	030 03 01	031 22 15	101 44 24	104 35 14
373	Polk	030 29 59	031 10 06	094 33 08	095 12 00
375	Potter	035 10 55	036 36 52	101 37 12	102 09 46
377	Presidio	029 15 42	031 36 52	103 47 44	105 58 25
379	Rains	032 44 45	033 59 36	095 38 24	096 58 02
381	Randall	034 44 55	035 11 00	101 37 04	102 09 44

383	Reagan	031 04 16	032 38 50	101 15 57	102 45 51
385	Real	029 36 54	030 04 22	099 36 16	100 03 40
387	Red River	033 21 19	034 59 02	094 44 56	095 19 20
389	Reeves	030 45 20	032 59 38	103 00 52	104 06 44
391	Refugio	028 04 28	029 34 05	096 47 41	098 32 06
393	Roberts	035 37 01	036 02 52	100 32 05	101 04 55
395	Robertson	030 41 17	031 21 32	096 14 46	097 49 37
397	Rockwall	032 49 15	033 59 05	096 17 57	097 31 21
399	Runnels	031 34 11	032 04 52	099 43 27	100 14 08
401	Rusk	031 51 57	032 26 11	094 27 47	095 59 16
403	Sabine	C31 09 10	032 38 06	093 34 35	094 04 15
405	San Augustine	031 07 20	032 40 4C	093 58 41	094 24 02
407	San Jacinto	030 20 15	031 54 51	094 50 17	095 22 43
409	San Patricio	027 50 16	028 11 28	097 08 29	098 54 42
411	San Saba	030 54 43	031 29 37	098 25 11	099 05 52
413	Schleicher	030 41 36	031 05 15	100 06 59	101 58 40
415	Scurry	032 31 07	033 57 29	100 39 09	101 10 54
417	Shackelford	032 31 05	033 57 49	099 05 28	100 37 34
419	Shelby	031 34 57	032 59 38	093 47 59	095 31 40
421	Sherman	036 03 10	036 29 37	101 37 21	102 09 59
423	Smith	032 09 03	033 42 33	094 59 16	096 36 43
425	Somervell	032 05 31	032 19 40	097 36 50	098 56 05
427	Starr	026 14 28	027 47 30	098 19 23	099 09 27
429	Stephens	032 31 05	032 57 57	098 34 35	099 05 35
431	Sterling	031 32 59	032 04 56	100 49 32	101 16 03
433	Stonewall	032 57 33	033 23 01	C99 59 11	101 30 24
435	Sutton	030 15 15	031 41 40	100 06 48	101 58 19
437	Swisher	034 18 09	035 45 03	101 29 36	102 01 55
439	Tarrant	032 32 39	033 59 30	C97 01 54	098 33 12
441	Taylor	032 04 41	033 31 10	C99 37 34	100 08 39
443	Terrell	029 45 55	031 38 31	101 38 11	103 34 21
445	Terry	032 57 16	033 23 22	102 03 34	103 35 54
447	Throckmorton	032 57 42	033 23 18	098 56 32	099 28 16
449	Titus	033 00 05	033 25 35	094 48 47	095 07 54
451	Tom Green	031 04 51	032 41 36	100 07 12	101 16 07
453	Travis	030 00 39	031 37 26	097 22 16	098 08 52
455	Trinity	030 50 12	031 24 13	094 50 39	095 26 57
457	Tyler	030 32 15	031 04 53	094 04 11	095 40 30
459	Upshur	032 32 03	033 56 05	094 42 29	095 09 10
461	Upton	031 04 09	032 38 57	101 45 38	102 18 17
463	Uvalde	C29 04 43	030 37 07	099 24 27	100 07 12
465	Val Verde	029 14 48	030 15 44	100 41 38	102 45 17
467	Van Zandt	032 22 37	033 51 38	095 28 16	096 05 16
469	Victoria	028 29 27	029 05 03	096 40 12	097 18 48

471	Walker	030 31 35	031 04 04	095 22 30	096 52 04
473	Waller	029 43 47	030 14 37	095 48 20	096 11 14
475	Ward	031 16 14	032 39 29	102 47 07	104 35 33
477	Washington	030 03 05	030 23 19	096 05 30	097 46 30
479	Webb	027 14 26	028 12 07	098 48 44	100 12 05
481	Wharton	028 57 16	030 38 08	095 51 16	097 38 33
483	Wheeler	035 10 41	036 37 02	100 00 18	101 32 10
485	Wichita	033 49 53	034 12 38	098 25 07	099 57 00
487	Wilbarger	033 49 32	034 27 20	098 56 48	099 28 28
489	Willacy	026 19 25	027 36 51	097 23 30	098 00 38
491	Williamson	030 24 07	031 53 49	097 09 31	098 03 22
493	Wilson	028 53 37	029 25 43	097 44 20	098 23 57
495	Winkler	031 39 02	032 04 48	102 48 50	103 21 48
497	Wise	032 59 23	033 25 59	097 23 34	098 55 21
499	Wood	032 34 34	033 59 23	095 09 04	096 39 44
501	Yoakum	032 56 47	033 23 22	102 35 19	103 04 06
503	Young	032 57 57	033 23 31	098 25 28	099 56 52
505	Zapata	026 35 03	027 17 04	098 57 51	099 27 49
507	Zavala	028 38 21	029 04 53	099 24 23	100 07 02

STATE NAME: Utah

STATE ABBREVIATION: UT

STATE CODE: 49

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Beaver	038 08 57	039 35 32	112 20 09	114 02 42
003	Box Elder	041 00 01	042 00 21	111 52 55	114 02 44
005	Cache	041 22 41	042 00 11	111 24 41	112 10 20
007	Carbon	039 28 09	040 48 53	109 52 54	111 14 47
009	Daggett	040 39 32	041 59 56	109 03 13	110 00 28
011	Davis	040 46 41	041 09 08	111 46 35	112 29 27
013	Duchesne	039 48 32	041 50 23	109 58 57	111 55 00
015	Emery	038 29 56	040 42 31	109 59 35	111 17 58
017	Garfield	037 31 48	038 09 47	109 55 41	113 41 53
019	Grand	038 29 56	040 30 07	109 03 27	110 10 33
021	Iron	037 28 35	038 09 22	112 28 44	114 02 43
023	Juab	039 19 34	040 01 12	111 35 32	114 02 22
025	Kane	036 59 42	038 33 11	110 37 54	113 54 31
027	Millard	038 35 09	040 34 31	112 01 04	114 02 42
029	Morgan	040 47 18	041 22 20	111 14 05	112 52 37

031	Piute	038 08 51	039 30 19	111 43 00	113 31 08
033	Rich	041 09 35	042 59 51	111 03 12	112 31 29
035	Salt Lake	040 26 22	041 56 13	111 34 03	112 14 53
037	San Juan	036 59 41	039 30 21	109 02 29	111 19 13
039	Sanpete	039 02 24	040 48 53	111 14 40	112 01 18
041	Sevier	038 30 09	039 03 28	111 17 55	113 31 26
043	Summit	040 33 25	041 14 08	110 00 20	112 38 22
045	Tocele	039 53 58	041 05 04	112 08 34	114 02 33
047	Uintah	039 27 57	041 50 03	109 03 14	110 03 17
049	Utah	039 46 53	041 34 41	110 51 43	112 12 46
051	Wasatch	039 53 51	041 40 59	110 53 42	112 36 33
053	Washington	036 59 51	038 37 07	112 53 37	114 02 43
055	Wayne	038 08 50	039 30 19	109 53 19	112 51 19
057	Weber	041 05 04	041 25 57	111 26 36	112 29 27

STATE NAME: VERMONT

STATE ABBREVIATON: VT

STATE CODE: 50

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Addison	043 45 02	044 18 44	072 44 23	073 27 10
003	Bennington	042 44 15	043 19 04	072 49 26	073 17 22
005	Caledonia	044 09 56	044 46 25	071 50 18	072 24 48
007	Chittenden	044 11 03	045 43 07	072 48 40	073 22 29
009	Essex	044 20 34	045 01 16	071 30 14	072 57 38
011	Franklin	044 37 28	045 00 53	072 32 07	073 14 56
013	Grand Isle	044 34 10	045 00 53	073 11 42	073 23 24
015	Lamoille	044 23 59	045 48 04	072 21 56	073 55 45
017	Orange	043 46 20	044 13 21	072 02 25	073 48 15
019	Orleans	044 32 33	045 01 16	071 52 36	073 34 46
021	Rutland	043 17 16	044 51 09	072 42 21	073 25 39
023	Washington	044 01 07	045 30 35	072 12 02	073 57 13
025	Windham	042 43 53	043 15 39	072 26 29	073 00 56
027	Windsor	043 13 34	044 55 56	072 13 05	073 58 19

STATE NAME: VIRGINIA

STATE ABBREVIATION: VA

STATE CODE: 51

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Accomack	037 28 03	038 14 14	075 11 27	076 55 51
003	Albemarle	037 43 22	038 16 33	078 12 49	079 50 31
005	Alleghany	037 35 09	038 57 10	079 35 50	080 17 38
007	Amelia	037 11 24	037 29 19	077 39 09	078 14 39
009	Amherst	037 23 45	038 48 33	078 52 02	079 25 47
011	Appomattox	037 11 50	038 32 32	078 35 46	079 00 57
013	Arlington	038 48 18	039 56 28	077 03 05	077 11 24
015	Augusta	037 52 43	038 28 23	078 44 58	080 30 31
017	Bath	037 50 32	038 16 15	079 26 53	080 04 00
019	Bedford	037 01 34	038 37 09	079 13 09	080 51 10
021	Bland	036 56 47	037 17 29	080 51 22	081 27 15
023	Botetourt	037 17 57	038 47 58	079 29 35	080 04 17
025	Brunswick	036 32 16	037 01 14	077 39 12	078 02 41
027	Buchanan	037 02 08	038 32 30	081 44 13	082 17 31
029	Buckingham	037 20 06	038 46 02	078 15 03	079 50 01
031	Campbell	037 01 02	037 26 04	078 50 08	079 27 06
033	Caroline	037 46 56	038 15 24	077 04 48	078 38 55
035	Carroll	036 33 29	036 55 11	080 27 18	081 01 12
037	Charlotte	037 14 46	037 29 37	076 52 26	077 16 57
041	Chesterfield	037 13 42	038 33 53	077 15 35	078 52 05
043	Clarke	038 59 03	039 16 19	077 50 56	078 09 38
045	Craig	037 18 38	038 38 46	079 58 19	080 28 35
047	Culpeper	038 19 00	039 41 57	077 37 16	078 13 34
049	Cumberland	037 18 24	038 44 07	078 05 15	078 27 48
051	Dickenson	036 56 55	037 18 11	082 08 23	083 33 07
053	Dinwiddie	036 52 58	037 16 28	077 23 36	078 53 49
057	Essex	038 36 29	039 03 29	077 03 14	078 32 32
059	Fairfax	038 24 41	039 01 03	077 31 36	078 07 56
061	Fauquier	036 41 11	037 07 00	080 06 32	081 37 30
063	Floyd	037 40 54	038 59 24	078 03 54	078 29 12
065	Fluvanna	036 46 58	037 13 34	079 36 05	080 17 13
067	Franklin	039 01 03	039 27 29	078 02 42	079 34 39
069	Frederick	037 08 18	037 28 08	080 26 05	081 00 20
071	Giles	037 15 00	038 35 55	076 22 30	077 42 18
073	Gloucester	037 33 32	038 54 07	077 36 52	078 10 13

075	Goochland	036 33 45	037 46 28	080 50 01	082 38 50
077	Grayson	038 11 11	038 27 57	078 17 29	079 39 14
079	Greene	036 32 28	037 53 46	077 20 15	078 45 51
081	Greensville	036 32 17	037 03 36	078 33 10	079 12 59
083	Halifax	037 32 21	038 00 35	077 07 28	078 47 25
085	Hanover	037 20 59	038 42 25	077 11 18	078 39 05
087	Henrico	036 32 48	037 49 57	079 39 07	080 07 42
089	Henry	038 11 21	039 35 42	079 18 45	080 48 56
091	Highland	036 38 58	037 07 17	076 28 59	077 55 19
093	Isle of Wight	037 10 29	037 26 19	076 35 22	077 54 36
095	James City	037 26 34	038 58 38	076 38 57	077 11 35
097	King and Queen	038 08 25	038 23 23	077 01 08	077 20 37
099	King George	037 31 16	038 54 35	076 47 08	077 20 03
101	King William	037 37 26	038 50 09	076 20 07	077 38 31
103	Lancaster	036 35 35	037 54 03	082 46 27	084 38 35
105	Lee	038 51 07	039 19 37	077 20 54	078 58 42
107	Loudoun	037 43 43	038 09 08	077 40 44	078 18 53
109	Louisa	036 46 26	037 06 17	078 00 44	078 29 57
111	Lunenburg	038 14 03	039 37 38	078 05 20	078 27 39
113	Madison	037 18 53	038 30 16	076 15 03	076 27 16
115	Mathews	036 32 16	037 53 41	078 01 29	079 42 56
117	Mecklenburg	037 31 24	038 45 38	076 18 32	077 45 14
119	Middlesex	036 59 09	037 21 08	080 10 50	081 36 08
121	Montgomery	036 32 47	037 56 13	076 24 45	077 55 14
123	Nansemond	037 31 34	038 02 42	078 38 24	079 11 33
125	Nelson	037 23 00	038 38 19	076 45 12	077 14 37
127	New Kent	036 33 01	037 57 34	076 04 16	076 29 17
131	Northampton	037 41 43	038 01 24	076 14 10	077 37 31
133	Northumberland	036 59 28	037 17 17	077 48 02	078 14 33
135	Nottoway	038 07 32	038 23 59	077 41 58	078 22 18
137	Orange	038 24 02	039 50 21	078 16 55	079 41 24
139	Page	036 33 01	037 52 52	080 03 34	081 41 06
141	Patrick	036 32 30	037 08 14	079 05 36	080 42 43
143	Pittsylvania	037 25 02	038 41 23	077 39 10	078 08 17
145	Powhatan	037 04 27	037 23 41	078 14 27	079 41 44
147	Prince Edward	036 59 52	037 19 07	076 58 41	077 24 21
149	Prince George	038 30 15	039 56 49	077 13 13	078 42 39
153	Prince William	036 51 38	037 13 56	080 30 54	081 56 11
155	Pulaski	038 31 36	039 52 26	077 57 11	078 20 30
157	Rappahannock	037 47 34	038 07 15	076 30 54	077 56 48
159	Richmond	037 06 57	037 24 10	079 50 23	080 15 29
161	Roanoke	037 31 42	038 04 56	079 09 03	080 41 14
163	Rockbridge	038 13 36	039 50 42	078 30 49	079 14 02

165	Rockingham	036 42 18	037 08 09	081 44 27	082 24 02
167	Russell	036 35 29	037 52 47	082 17 37	083 59 06
169	Scott	038 36 28	039 06 01	078 18 16	079 52 09
171	Shenandoah	036 38 07	037 00 19	081 15 09	082 49 17
173	Smyth	036 32 34	037 59 43	076 49 03	077 28 00
175	Southampton	037 59 33	038 22 41	077 22 07	078 55 57
177	Spotsylvania	038 15 19	039 35 21	077 17 15	078 38 10
179	Stafford	036 56 26	037 14 06	076 40 25	077 09 21
181	Surry	036 42 32	037 06 50	076 57 28	078 36 37
183	Sussex	036 55 50	037 19 53	081 14 00	082 54 27
185	Tazewell	038 46 16	039 03 19	078 00 54	078 23 19
187	Warren	036 35 34	037 55 19	081 36 56	082 19 40
191	Washington	036 48 48	037 11 55	082 17 40	083 52 14
193	Westmoreland	036 45 11	037 03 39	080 44 41	081 22 27
195	Wise	037 05 19	037 22 16	076 19 22	077 45 30

CODE	INDEPENDENT CITIES
515*	Bedford

*515 Bedford was formerly part of Bedford County and has been incorporated as an independent city.

STATE NAME: WASHINGTON

STATE ABBREVIATION: WA

STATE CODE: 53

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	046 44 07	047 15 31	117 57 29	119 22 29
003	Asctin	046 00 22	046 28 10	116 55 14	117 28 24
005	Benton	045 50 08	047 42 36	118 56 44	120 53 14
007	Chelan	047 15 21	049 33 48	119 52 23	121 10 25
009	Clallam	047 52 17	048 23 31	122 57 54	125 40 59
011	Clark	045 32 11	046 03 31	122 14 33	123 47 28
013	Columbia	046 00 01	047 37 37	117 36 57	118 15 03
015	Cowlitz	045 50 37	046 23 02	122 13 58	123 13 15
017	Douglas	047 12 32	048 08 40	118 57 03	120 19 58
019	Ferry	047 49 40	049 00 08	118 06 01	119 52 17
021	Franklin	046 11 49	047 44 32	118 11 38	119 26 44
023	Garfield	046 00 27	047 42 22	117 14 04	118 52 14
025	Grant	046 37 06	048 57 46	118 58 45	120 03 07

027	Grays Harbor	046 47 16	048 32 45	123 09 12	124 18 47
029	Island	047 53 50	048 22 34	122 19 01	123 43 24
031	Jefferson	047 32 15	048 07 50	122 36 09	125 33 56
033	King	047 04 42	048 46 23	121 03 35	122 23 17
035	Kitsap	047 23 50	048 56 17	122 26 01	123 58 06
037	Kittitas	046 43 29	048 35 44	119 55 50	121 28 27
039	Klickitat	045 36 14	046 02 44	119 52 00	122 36 34
041	Lewis	046 22 39	047 47 26	121 21 36	123 22 16
043	Lincoln	047 15 19	048 57 47	117 48 56	119 58 50
045	Mason	047 04 25	048 36 01	122 47 30	124 30 32
047	Okanogan	047 55 36	049 00 08	118 50 26	121 52 33
049	Pacific	046 15 29	047 47 19	123 21 04	124 02 50
051	Pend Oreille	048 02 45	049 00 27	117 01 19	118 37 44
053	Pierce	046 43 18	047 24 24	121 22 13	123 48 00
055	San Juan	048 24 06	049 43 08	122 42 54	123 06 57
057	Skagit	048 17 19	049 39 09	120 41 50	123 38 25
059	Skamania	045 32 40	046 23 02	121 30 06	122 15 40
061	Snohomish	047 45 41	048 18 22	120 53 56	122 21 16
063	Spokane	047 15 15	048 03 11	117 01 49	118 49 06
065	Stevens	047 46 53	049 00 27	117 25 39	118 23 25
067	Thurston	046 45 23	047 09 21	122 12 45	123 11 54
069	Wahkiakum	046 08 06	046 23 05	123 13 07	124 42 58
071	Walla Walla	046 00 16	047 36 18	117 59 42	119 03 15
073	Whatcom	048 38 01	049 59 53	120 40 46	123 45 46
075	Whitman	046 25 22	047 15 31	117 01 40	118 14 17
077	Yakima	046 02 37	047 04 42	119 51 40	122 31 55

STATE NAME: WEST VIRGINIA

STATE ABBREVIATION: WV

STATE CODE: 54

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Barbour	038 57 16	039 18 14	079 48 21	080 13 59
003	Berkeley	039 16 19	040 37 11	077 49 18	078 14 23
005	Boone	037 46 15	038 13 42	081 27 13	082 58 04
007	Braxton	038 30 38	039 54 06	080 26 39	081 01 39
009	Brooke	040 09 46	040 24 43	080 31 10	081 41 24
011	Cabell	038 14 03	039 36 16	082 03 02	082 29 48
013	Calhoun	038 36 48	039 02 58	080 59 31	081 16 28
015	Clay	038 16 08	039 40 03	080 48 52	081 16 26
017	Doddridge	039 05 39	039 27 27	080 32 22	081 54 56

019	Fayette	037 49 07	038 16 08	080 44 42	081 22 10
021	Gilmer	038 43 06	039 06 27	080 36 33	081 03 15
023	Grant	038 48 34	039 19 31	078 58 45	079 29 22
025	Greenbrier	037 40 42	038 15 50	079 58 00	081 53 14
027	Hampshire	039 05 15	040 32 19	078 20 36	079 58 45
029	Hancock	040 24 11	041 38 52	080 31 10	081 40 36
031	Hardy	038 45 53	039 14 13	078 31 02	079 08 18
033	Harrison	039 06 19	039 28 19	080 10 04	081 36 11
035	Jackson	038 33 43	039 06 49	081 30 18	082 53 46
037	Jefferson	039 08 49	040 30 07	077 42 56	078 02 42
039	Kanawha	037 57 42	039 38 03	081 11 01	082 54 40
041	Lewis	038 44 06	039 09 49	080 18 01	081 44 30
043	Lincoln	037 56 32	038 22 16	081 46 25	082 17 54
045	Logan	037 38 21	038 01 06	081 36 31	082 11 34
047	McDowell	037 12 04	038 32 48	081 18 36	082 59 03
049	Marion	039 23 42	040 38 24	079 57 06	080 29 13
051	Marshall	039 43 24	040 02 48	080 31 00	081 51 22
053	Mason	038 28 24	039 01 54	081 45 28	082 13 18
055	Mercer	037 14 08	037 35 38	080 50 42	081 21 34
057	Mineral	039 14 13	040 38 06	078 38 59	079 17 10
059	Mingo	037 30 36	038 58 06	081 48 09	082 24 47
061	Monongalia	039 26 21	040 43 39	079 45 38	080 24 38
063	Monroe	037 22 34	038 43 39	080 12 29	081 50 47
065	Morgan	039 23 46	040 40 56	078 02 24	078 29 11
067	Nicholas	038 05 05	039 33 29	080 25 34	081 13 27
069	Ohio	040 00 53	040 11 48	080 31 10	081 45 00
071	Pendleton	038 24 59	039 57 37	079 03 47	080 38 30
073	Pleasants	039 17 34	039 27 56	081 01 15	081 21 59
075	Pocahontas	038 02 02	039 44 01	079 37 44	080 20 52
077	Preston	039 12 31	040 43 34	079 29 22	080 53 55
079	Putnam	038 16 19	039 40 46	081 41 12	082 04 02
081	Raleigh	037 30 50	038 58 53	080 52 45	082 34 00
083	Randolph	038 24 01	039 06 39	079 21 54	080 17 03
085	Ritchie	039 00 31	039 23 03	080 48 51	081 18 55
087	Roane	038 31 34	039 56 22	081 04 16	082 32 10
089	Summers	037 25 19	038 51 28	080 39 53	081 05 36
091	Taylor	039 14 26	039 26 48	079 53 22	080 12 19
093	Tucker	038 57 51	039 16 21	079 17 08	080 49 16
095	Tyler	039 18 44	040 37 02	080 37 26	081 08 04
097	Upshur	038 41 37	039 07 00	080 03 23	080 24 06
099	Wayne	037 50 56	038 26 13	082 11 40	083 37 06
101	Webster	038 13 37	039 44 40	080 10 45	081 40 19
103	Wetzel	039 25 54	040 43 59	080 22 56	081 55 03

105	Wirt	038 53 55	039 11 06	081 10 00	082 35 07
107	Wood	039 01 52	039 25 02	081 14 01	082 45 11
109	Wyoming	037 24 35	038 47 28	081 13 41	082 51 08

STATE NAME: WISCONSIN

STATE ABBREVIATION: WI

STATE CODE: 55

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Adams	043 38 31	044 14 54	089 35 01	090 01 03
003	Ashland	045 58 29	047 39 46	090 18 06	091 55 34
005	Barron	045 12 43	046 38 56	091 32 12	092 10 04
007	Bayfield	046 09 00	047 56 12	090 44 59	092 33 34
009	Brown	044 14 19	045 41 12	087 45 53	088 15 59
011	Buffalo	044 02 14	045 36 00	091 31 48	092 06 09
013	Burnett	045 38 09	046 09 27	092 02 20	093 54 18
015	Calumet	043 53 15	044 14 50	088 02 49	088 23 48
017	Chippewa	044 51 25	045 18 22	090 54 39	092 40 22
019	Clark	044 25 22	045 02 14	090 18 44	091 55 12
021	Columbia	043 17 07	044 38 38	089 00 22	090 46 49
023	Crawford	042 59 13	043 25 39	090 38 59	091 12 06
025	Dane	042 50 42	043 17 50	089 00 51	090 50 26
027	Dodge	043 11 57	044 38 04	088 23 32	089 00 55
029	Door	044 39 44	045 17 33	086 57 27	088 44 58
031	Douglas	046 09 14	047 44 23	091 32 35	092 18 10
033	Dunn	044 41 04	045 13 00	091 39 00	092 10 10
035	Eau Claire	044 35 50	045 51 33	090 55 04	092 39 16
037	Florence	045 42 45	046 01 03	088 03 35	089 42 05
039	Fond Du Lac	043 32 39	044 56 02	088 09 49	089 53 10
041	Forest	045 22 24	046 04 30	088 25 37	089 02 53
043	Grant	042 30 22	043 12 46	090 25 12	091 09 00
045	Green	042 30 08	043 51 29	089 22 25	090 50 35
047	Green Lake	043 37 46	044 58 59	088 53 03	089 14 44
049	Iowa	042 48 47	043 13 14	089 50 09	090 25 37
051	Iron	045 58 06	047 35 28	089 55 34	091 33 29
053	Jackson	044 04 21	045 36 01	090 17 58	091 10 17
055	Jefferson	042 50 22	043 12 17	088 32 05	089 00 58
057	Juneau	043 38 38	044 14 54	089 46 36	090 18 25
059	Kenosha	042 30 03	043 40 31	087 47 15	088 18 44
061	Kewaunee	044 19 19	045 39 53	087 22 05	088 46 00
063	La Crosse	043 43 37	044 05 37	090 54 38	091 26 27
065	Lafayette	042 30 14	043 48 50	089 50 22	090 25 37
067	Langlade	045 01 43	045 28 12	088 38 37	089 25 02
069	Lincoln	045 07 26	046 33 41	089 25 00	090 02 41

071	Manitowoc	043 53 14	044 19 30	087 30 00	088 02 54
073	Marathon	044 40 45	045 07 36	089 12 58	090 18 44
075	Marinette	044 57 31	046 47 33	087 35 30	088 25 53
077	Marquette	043 38 31	044 59 00	089 09 43	090 35 33
078	Menominee				
079	Milwaukee	042 50 30	043 11 44	087 49 28	088 04 20
081	Monroe	043 43 28	044 09 43	090 17 58	091 58 39
083	Oconto	044 40 28	045 22 50	087 45 41	089 40 57
085	Oneida	045 28 02	046 54 08	089 02 52	090 02 28
087	Outagamie	044 14 38	045 35 10	088 11 21	089 44 01
089	Ozaukee	043 11 38	044 32 31	087 45 46	088 04 06
091	Pepin	044 25 26	045 41 17	091 38 41	092 20 17
093	Pierce	044 32 36	045 52 12	092 08 41	093 48 10
095	Polk	045 12 59	046 43 01	092 09 44	093 55 48
097	Portage	044 14 23	045 40 59	089 12 58	090 49 59
099	Price	045 22 57	046 59 09	090 02 14	091 40 39
101	Racine	042 37 08	043 50 40	087 45 46	088 18 53
103	Richland	043 10 24	044 33 39	090 11 23	091 39 52
105	Rock	042 29 54	043 50 47	088 46 34	089 22 27
107	Rusk	045 18 10	046 38 48	090 40 24	092 32 28
109	St Croix	044 51 53	045 13 01	092 08 43	093 48 01
111	Sauk	043 09 28	044 38 38	089 35 32	090 18 25
113	Sawyer	045 38 40	046 09 20	090 40 17	092 33 35
115	Shawano	044 35 06	045 07 07	088 14 10	089 13 05
117	Sheboygan	043 32 24	044 53 15	087 41 06	088 10 08
119	Taylor	045 02 13	045 22 57	090 02 34	091 55 21
121	Trempealeau	043 59 30	045 36 01	091 09 25	092 36 15
123	Vernon	043 25 26	044 43 50	090 18 15	091 16 25
125	Vilas	045 50 39	046 17 26	088 56 01	090 02 24
127	Walworth	042 29 59	043 50 33	088 18 41	089 46 44
129	Washburn	045 38 48	046 09 27	091 31 48	092 03 42
131	Washington	043 11 38	044 32 44	088 02 20	088 24 47
133	Waukesha	042 50 22	043 12 03	088 04 06	089 32 31
135	Waupaca	044 14 23	045 40 45	088 36 06	089 13 24
137	Waushara	043 58 47	044 14 39	088 53 03	090 35 11
139	Winnebago	043 53 34	044 14 46	088 23 37	089 53 11
141	Wood	044 14 48	045 41 08	089 42 54	090 19 03

STATE NAME: WYOMING

STATE ABBREVIATION: WY

STATE CODE: 56

CODE	COUNTY NAME	MIN LAT	MAX LAT	MIN LONG	MAX LONG
001	Albany	041 00 25	042 26 11	105 15 41	106 19 43
003	Big Horn	044 10 16	045 00 06	107 08 09	109 36 51
005	Campbell	043 30 05	045 00 20	105 02 15	106 01 12
007	Carbon	041 00 33	042 26 35	106 03 55	108 55 58
009	Converse	042 17 03	044 30 20	104 53 51	106 04 13
011	Crook	044 10 47	045 00 28	104 02 56	105 05 32
013	Fremont	042 14 47	044 01 17	107 29 27	110 03 16
015	Goshen	041 33 40	043 36 34	104 03 26	105 39 16
017	Hot Springs	043 27 13	044 04 53	107 35 04	109 18 21
019	Johnson	043 29 11	045 34 12	105 59 46	107 21 58
021	Laramie	041 00 24	042 39 15	104 03 30	105 17 02
023	Lincoln	041 34 41	043 17 27	110 02 18	111 03 27
025	Natrona	042 26 10	044 30 30	106 02 49	108 32 16
027	Niobrara	042 36 29	044 30 18	104 03 34	105 54 55
029	Park	043 48 20	045 59 58	108 32 38	110 09 15
031	Platte	041 39 01	043 36 32	104 39 11	105 16 49
033	Sheridan	044 33 07	045 00 24	106 00 15	108 54 27
035	Sublette	042 15 28	043 28 00	109 01 59	111 37 28
037	Sweetwater	040 59 26	042 16 20	107 29 23	110 03 11
039	Teton	043 11 52	044 08 23	110 03 04	111 03 40
041	Uninta	040 59 42	042 34 44	110 02 31	111 03 23
043	Washakie	043 29 40	044 10 38	107 05 59	109 32 54
045	Weston	043 29 56	044 10 48	104 03 17	105 04 18

STATE NAME: AMERICAN SAMOA

STATE ABBREVIATION: AS

STATE CODE: 60

CODE COUNTY NAME

Information Unavailable

STATE NAME: GUAM

STATE ABBREVIATION: GU

STATE CODE: 66

CODE COUNTY NAME

Information Unavailable

STATE NAME: PUERTO RICO

STATE ABBREVIATION: PR

STATE CODE: 72

CODE COUNTY NAME

Information Unavailable

STATE NAME: VIRGIN ISLANDS

STATE ABBREVIATION: VI

STATE CODE: 78

CODE COUNTY NAME

Information Unavailable

STATE NAME: TRUST TERRITORIES

STATE ABBREVIATION: TT

STATE CODE: UNKNOWN

CODE	COUNTY NAME
	Information Unavailable

Appendix A

Alaska Places

Place Name	Census Division Code
A	
Adak Station	010
Akahamut	270
Akhiok	150
Akiachak	050
Akiak	050
Akolmiut	050
Akutan	010
Alakanuk	270
Akeknagik	070
Allakaket	290
Ambler	140
Anaktuvuk Pass	040
Ancher Pcint	120
Anchorage	020
Anderson	290
Angoon	030
Aniak	160
Annette	190
Anvik	160
Arctic Village	250
Atka	010
Attu	010
Auke Bay	110
Aurora-Johnston	090
B	
Barrow	040
Basher	020
Bay City	170
Beaver	250
Belkofski	010
Bethel	050
Bettles	290
Big Lake	170
Bill Moores	270
Biorka	010
Birch Creek	250
Birchwood	020
Bird	020
Boswell Bay	080

Brevig Mission	180
Britpek	250
Buckland	140
Butte	170

C

Campbell	200
Candle	140
Cantwell	290
Canyon Village	250
Cape Lisburne	040
Cape Pole	200
Central	250
Chakwaktolik	050
Chalkyitsik	250
Chaneliak	270
Chaniliut	270
Chatanika	090
Chefornak	050
Chenega	260
Chevak	270
Chickaloon	250
Chicken	170
Chignik	010
Chignik Lagoon	010
Chignik Lake	010
Chistochina	260
Chitina	260
Chuathbaluk	160
Chugiak	020
Circle	250
Circle Hot Springs	250
Clam Gulch	120
Clarks Point	070
Clear	290
Clover Pass	130
Cohoe	120
Cold Bay	010
College	090
Cooper Landing	210
Copper Center	260
Cordova	080
Craig	200
Crooked Creek	160

D

Deadhorse	250
Deering	140
Delta Junction	240

Dillingham	070
Diomede	180
Donnelly	240
Dot Lake	240
Douglas	110

E

Eagle	250
Eagle River	020
Edna Bay	200
Eek	050
Egegik	070
Eielson	090
Eklutna	020
Ekuk	070
Ekwok	070
Elfin Cove	230
Elim	180
Elmendorf	020
Emanguk	270
English Bay	120
Eska	170
Ester	090
Evansville	290

F

Fairbanks	090
False Pass	010
Fire Lake	020
Flat	160
Fort Greely	240
Fort Richardson	020
Fort Wainwright	090
Fort Yukon	250
Fritz Cove	110
Fritz Creek	120

G

Gakona	260
Galena	290
Gambell	180
Georgetown	160
Girdwood	020
Glen Alps	020
Glennallen	260
Golovin	180
Goose Bay	170
Graehl	090
Grayling	160

Gulkana	260
Gustavus	230

H

Haines	100
Halibut Cove	120
Hamilton	270
Healy	290
Herrinq Cove	130
Holikachuk	160
Hollis	200
Holy Cross	160
Homer	120
Hoonah	230
Hooper Bay	270
Hope	210
Houston	170
Hughes	290
Huslia	290
Hydaburq	200
Hyder	190

I

Iquiqiq	070
Iliamna	070
Ivanof Bay	010

J

Jakolof Bay	120
Juneau	110

K

Kachemak	120
Kaquyak	150
Kake	280
Kakhonak	070
Kaktovik	250
Kalskaq	160
Kaltaq	290
Karluk	150
Kasaan	200
Kasilof	120
Kenai	120
Ketchikan	130
Kiana	140
Kinq Cove	010
Kinq Salmon	060
Kipnuk	050

Kivalina	140
Klawock	200
Klukwan	100
Kodiak	150
Kodiak Station	150
Kodrines	290
Koliganek	070
Kongiganak	050
Kotlik	270
Kotzebue	140
Koyuk	180
Koyukuk	290
Kwethluk	050
Kwigillingok	050

L

Lake Minchumina	290
Larsen Bay	150
Lemeta	090
Lemon Creek	110
Lena Cove	110
Levelock	070
Lignite	290
Lime Village	160
Livengood	290
Long Island	170
Lower Kalskag	160
Lower Mendenhall Valley	110

M

Manley Hot Springs	290
Manokotak	070
Marshall	270
Mary's Igloo	180
McGrath	160
McKenzie Park	170
McKinley	290
Meade River	040
Meakerville	080
Mekoryuk	050
Mendenhall Flats	110
Mentasta Lake	260
Metlakatla	190
Minto	290
Montana	170
Moose Pass	210
Mount Edgecumbe	220
Mountain Village	270
Mountain Point	130
Mud Bay	130

Mumtrak	050
Myers Chuck	190

N

Nabesna	240
Naknek	060
Napaiskak	050
Napakiak	050
Navy Town	010
Nelson Lagoon	010
Nenana	290
Newhalen	070
New Stuyahok	070
Newtok	050
Nightmute	050
Nikclai	160
Nikolski	010
Ninilchik	120
Noatak	140
Nome	180
Nondalton	070
Noorvik	140
North Douglas	110
North Nenana	290
North Pole	090
Northeast Cape	180
Northway	240
Nulato	290
Nyac	050

O

Ohgsenakale	060
Ohogaiut	270
Old Harbor	150
Oscarville	050
Ouzinkie	150

P

Palmer	170
Pavlof Harbor	010
Paxson	260
Pedro Bay	070
Pelican	230
Peninsula Point	130
Pennock Island	130
Perryville	010
Peters Creek	020
Petersburg	280

Pilot Point	070
Pilot Station	270
Pitkas Point	270
Platinum	050
Point Baker	200
Point Hope	140
Point Lay	040
Point Whitshed	080
Port Alexander	220
Port Alsworth	070
Port Chilkoot	100
Port Graham	120
Port Heiden	070
Port Higgins	130
Port Lions	150
Portage	020
Prudhoe Bay	250

Q

Quinhagak	050

R

Rampart	290
Red Devil	160
Refuge Cove	130
Ruby	010
Russian Mission	270

S

Sagwon	250
St George	010
St Marys	270
St Michael	180
St Paul	010
Salmon Creek	110
Sand Lake	020
Sand Point	010
Savoonga	180
Saxman	130
Scammon Bay	270
Scow Bay	280
Selawik	140
Seldovia	120
Seward	210
Shageluk	160
Shaktolik	180
Sheldon Point	270
Shemya Station	010
Shishmaref	180

Shoreline Drive	130
Shungnak	140
Shungnak Village	140
Sitka	220
Skagway	230
Sleetmute	160
Soldothna	120
Solomon	180
South Bjerremark	090
South Naknek	060
Spenard	020
Squaw Harbor	010
Stebbins	180
Sterling	120
Stevens Village	250
Stony River	160
Summit	170
Suntrana	290
Susitna	170
Sutton	170

T

Takotna	160
Talkeetna	170
Tanacross	240
Tanana	290
Tanunak	050
Tatitlek	260
Teller	180
Tenakee Springs	030
Tetlin	240
Thorne Bay	200
Togiak	070
Tok	240
Toksook Bay	050
Tuluksak	050
Tuntutuliak	050
Twin Hills	070
Tyonek	120

U

Ugashik	070
Ukivok	180
Umiat	040
Unalakleet	180
Unalaska	010
Unga	010
Upper Mendenhall Valley	110
Usibelli	290
Usibelli Mine	290

V

Valdez	260
Venetie	250

W

Wainwright	040
Wales	180
Ward Cove	130
Wasilla	170
West Petersburg	280
White Mountain	180
Whittier	260
Wildwood Station	120
Willow	170
Woody Island	150
Wrangell	280

Y

Yakataga	080
Yakutat	230

Code Name: Indian Reservation Code

Catalogue Number: 160

CVT File: PW

Requested by EPA to be reported: No

Maximum number of values permitted: 100 (at the discretion of the State, this value may be increased or reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code: None

Description: This is a three digit numeric code identifying the Indian Reservation on which a Public Water System is located. Acceptable values were acquired from the Standard Code Book of the Indian Health Service under "Tribes". Although this data element is not required for federal reporting, it is recommended that values provided be utilized.

Acceptable Values:

EXHIBIT

TRIBES

046	Absentee Delaware (Delaware of Western Oklahoma)
141	Absentee Shawnee (Shawnee, Absentee)
107	Acoms (See Pueblo)
---	Alaskan Natives
001	-- Alaskan Indian
002	-- Aleut
003	-- Eskimo
004	Apache (Unspecified)
005	Apache, Ft. Sill (Ft. Sill Apache)
006	Apache, Jicarilla (Jicarilla Apache)
007	Apache-Kiowa (Kiowa-Apache)
008	Apache, Yavapai (Yavapai Apache)
010	Arikara
011	Arapahoe
012	Arapahoe-Cheyenne(Cheyenne-Arapahoe)
013	Assiniboine
014	Bannock
015	Blackfeet (Blood and Piegan)

016	Caddo
017	Canadian Indian
065	*Capalis (See Lower Chehalis Bands)
018	Cayuga
019	Cayuga-Seneca (Seneca-Cayuga)
020	Chehalis, Confederated Tribes of (Confederated Tribes of Chehalis)
021	Chemehuevi
022	Cherokee (Oklahoma)
023	Cherokee (Eastern Band) (North Carolina)
024	Cherokee-Shawnee (Shawnee-Cherokee)
025	Cherokee-Delaware(Delaware-Cherokee)
026	Cheyenne
012	Cheyenne-Arapahoe(Arapahoe-Cheyenne)
027	Chickasaw
028	Chinook
029	*Chinook (Landless)
030	Chippewa (Objibway)
180	Chitimacha
031	Choctaw (Oklahoma)
032	Choctaw (Mississippi Band)
033	Chumask
034	Clallam
035	Coahuila
108	Cochiti (See Pueblo)
036	Cocopah
037	Coeur d'Alene
038	Colville
039	Comanche
020	Confederated Tribes of Chehalis (Chehalis,Confid. Tribes of)
164	Confederated Tribes of Umatilla (Umatilla,Confed. Tribes of)
168	Confed.Tribes of Warm Springs (Warm Springs,Confed.Tribes of)
181	Coushatta
040	Cowlitz
041	*Cowlitz (Landless)
042	Cree
043	Creek
044	Crow

045	Dakota (Sioux)
046	Delaware of Western Oklahoma (Absentee Delaware)
025	Delaware-Cherokee (Cherokee-Delaware)
047	Diequeno
048	*Dwamish

142	Eastern Shawnee (Shawnee, Eastern)
003	Eskimo (See Alaskan Natives)
049	Flathead
005	Ft. Sill Apache (Apache, Ft. Sill)
050	Gros Ventre (Hidatsa, Minitari)
051	Havasupai
050	Hidatsa (Gros Ventre, Minitari)
052	Hoh Band
053	Hoopa
054	Hopi
055	Hualapai
064	*Humptulips (See Lower Chehalis Bands)
056	Iowa
057	Iowa of Kansas
109	Isleta (See Pueblo)
110	Jemez (See Pueblo)
006	Jicarilla Apache (Apache,Jicarilla)
179	Kalispel
058	Kaw
059	Kickapoo
060	Kickapoo of Kansas
061	*Kickaillus
062	Kiowa
007	Kiowa-Apache (Apache-Kiowa)
063	Kootenai Band
111	Laquna (See Pueblo)
---	Lower Chehalis Bands
064	*-- Humptulips
065	*-- Capalis
066	*-- Satsop
067	*-- Wynnoche
144	Lower Skagit (Skaqit, Lower)
068	Luiseno
069	Lummi
070	Maidu
071	Makah
072	Mandan
073	Maricopa
074	Menominee
008	Mescalero Apache (Apache, Mescalero)

075	Me-Wuk
076	Miami
077	Miccosukee of Florida
050	Minitari (Gros Ventres, Hidatsa)
078	Missouri
079	Missouri-Otoe (Otoe-Missouri)
080	Modoc
081	Mohave
166	Mountain Ute (Ute, Mountain)
082	Muckleshoot
083	Munsee

112	Nambe (See Pueblo)
084	Navajo
085	Nez Perce
086	Nisqually
087	Nomelacki
088	Nooksack

030	Objibway (Chippewa)
089	Omaha
090	Oneida
091	Osage
092	Otoe
079	Otoe-Missouri (Missouri-Otoe)
093	Ottawa
094	Ozette

095	Paiute
096	Papago
097	Pawnee
113	Picuris (See Pueblo)
098	Pima
099	Pit River
100	Pojoaque (See Pueblo)
101	Pomo
102	Ponca
103	Potawatomie
104	Potawatomie (Citizen Band)
105	Potawatomie (Prairie Band of Kansas)
106	Puyallup
---	Pueblos
107	-- Acoma
108	-- Cochiti
109	-- Isleta
110	-- Jemez
111	-- Laguna
112	-- Nambe

113	-- Picuris
100	-- Pojoaque
114	-- Sandia
115	-- San Felipe
116	-- San Idlefonso
117	-- San Juan
118	-- Santa Ana
119	-- Santa Clara
120	-- Santa Domingo
121	-- Taos
122	-- Tesuque
123	-- Zia
124	-- Zuni

125	Quapaw
126	Quechan
127	Quilleute
128	Quinault

--- R ----

129	Sac & Fox
130	Sac & Fox of Oklahoma
131	Sac & Fox of Kansas & Nebraska
132	*Samish
114	Sandia (See Pueblo)
115	San Felipe (See Pueblo)
116	San Idlefonso (See Pueblo)
133	*San Juan of Washington
117	San Juan (See Pueblo)
118	Santa Ana (See Pueblo)
119	Santa Clara (See Pueblo)
120	Santa Domingo (See Pueblo)
066	*Satsop (See Lower Chahalis Bands)
134	*Sauk-Suiattle
135	Seminole
136	Seminole of Florida
137	Seminole of Oklahoma
138	Seneca
019	Seneca-Cayuga (Cayuga-Seneca)
139	Serrano
140	Shawnee
141	Shawnee, Absentee (Absentee Shawnee)
024	Shawnee Cherokee (Cherokee-Shawnee)
142	Shawnee, Eastern (Eastern Shawnee)
143	Shoshone
045	Sioux (Dakota)
144	Skagit, Lower (Lower Skagit)
145	Skagit, Upper (Upper Skagit)
146	Skokomish
147	*Skykomish

148 Snohomish
149 *Snohomish (Landless)
150 *Snoquabmie
151 Southern Ute (Ute; Southern)
152 Spokane
153 Squaxin Island
154 *Steilacoom
155 *Stilaquamish
156 Stockbridges
157 Suquamish
158 Swinomish

159 Tachi
121 Taos (See Pueblow)
160 Te-Moak
122 Tesuque (See Pueblcs)
161 Tonkawa
162 Tule River
163 Tulalip

164 Umatilla,Confederated Tribes of
(Confed. Tribes of Umatilla)
145 Upper Skagit (Skagit, Upper)
165 Ute
166 Ute, Mountain (Mountain Ute)
151 Ute, Southern (Southern Ute)

--- W ----

167 Wailaki
168 Warm Springs,Confed. Tribes of
(Confed.Tribes of Warm Springs)
169 Washoe
170 Wichita
171 Winnebago
172 Wintun
173 Wyandot
067 *Wynnoche (See Lower Chehalis Band)

--- Y ----

174 Yakima
175 Yavapai
009 Yavapai Apache (Apache, Yavapai)
176 Yuchi
177 Yuki
178 Yurok

123 Zia (See Pueblo)
124 Zuni (See Pueblo)

Special Codes

000	Non-Indian
998	Other
999	Unspecified

* Landless Tribes in Portland Area (Western Washington)

Code Name: Deactivation Reason Code

Catalogue Number: 196

CVT File: PW

Requested by EPA to be reported: Yes

Maximum number of values permitted: 10 (at the discretion of the State, this value may be increased or reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the reason for which a Public Water System has been deactivated. Initial acceptable values have been defined through the cooperative efforts of the SouthWestern Ohio Regional Computer Center; the U.S. EPA, Office of Water Supply; and the MSIS subcommittee of the Conference of State Sanitary Engineers.

Acceptable Values:

Code	Description
A	System Abandoned
D	Duplicate PWS with another ID
M	System Merged/Consolidated
O (letter)	Other
P	System purged from inventory
R	PWS Reentered with new ID
S	System Discontinued
0 (zero)	Other

Code Name: States' Region Code

Cataloque Number: 200

CVT File: PW

Requested by EPA to be reported: No

Maximum number of values permitted: 99 (at the discretion of the State, this value may be reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code: None

Description: This is a two digit alphanumeric code identifying the administrative region of the State in which a Public Water System is located or the administrative region of the State responsible for the water quality monitoring of a Public Water System. Acceptable values, if any, are defined by the State. Region codes must be unique.

Acceptable Values: (Example)

Code	Description
01	Region 1 - Rockford
02	Region 2 - Aurora
03	Region 3 - Springfield
04	Region 4 - Collinsville
05	Region 5 - Marion
3A	Region 3A - Champaign

Code Name: States' District Code

Catalogue Number: 201

CVT File: PW

Requested by EPA to be reported: No

Maximum number of values permitted: 99 (at the discretion of the State, this value may be reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code: None

Description: This is a two digit alphanumeric code identifying the administrative district of the State in which a Public Water System is located or the administrative district of the State responsible for the water quality monitoring of a Public Water System. Acceptable values, if any, are defined by the State. District codes must be unique.

Acceptable Values: (Example)

Code	Description
01	District 1
02	District 2
03	District 3
04	District 4
A5	District A5
B6	District B6

Code Name: PWS Owner Type Code

Catalogue Number: 237

CVT File: PW

Requested by EPA to be reported: Yes

Maximum number of values permitted: 26 (at the discretion of the State, this value may be reduced by modifying the COBCL copy WSCVTPWS)

Structure of Code: None

Description: This is a one digit alphabetic code identifying the type of owner of a Public Water System. Initial acceptable values have been defined through the cooperative efforts of the SouthWestern Ohio Regional Computer Center; the U.S. EPA, Office of Water Supply; and the MSIS subcommittee of the Conference of State Sanitary Engineers.

Acceptable Values:

Code	Description
A	Authority/Commision/District
C	City
F	Federal
I	Investor
M	Municipality
N	County
O (letter)	Other
S	State
U	Unknown
0 (zero)	Other
1	Investor

Code Name: Water Source Availability Code

Cataloque Number: 246

CVT File: PW

Requested by EPA to be reported: No

Maximum number of values permitted: 10 (at the discretion of the State, this value may be increased or reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the availability of a water source. Availability means under which circumstances a water source is available for use. For example, a source may be permanently available or used only under special conditions such as in an emergency or seasonal situation. Initial acceptable values have been defined through the cooperative efforts of the SouthWestern Ohio Regional Computer Center; the U.S. EPA, Office of Water Supply; and the MSIS subcommittee of the Conference of State Sanitary Engineers.

Acceptable Values:

Code*	Description
E	Emergency Source
I	Interim Source
O (letter)	Other Source
P	Permanent Source
R	Reserve Source
S	Seasonal Source
0 (zero)	Other Source
1	Interim Source

*May be reassigned and/or expanded by the State

Code Name: River Basin Number

Catalogue Number: 247

CVT File: PW

Requested by EPA to be reported: No

Maximum number of values permitted: 50 (at the discretion of the State, this value may be increased or reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code: XXYY where
XX = Geographic Region Number
YY = Specific Basin Number

Description: This is a four digit numeric code identifying the river basin associated with a Public Water System water source. Although this data element is not required for Federal reporting, it is recommended that the values provided be utilized. The acceptable values provided are the same as those utilized in EPA's STORET system.

Acceptable Values:

Geographic Region Numbers

01	NE	NorthEast
02	NA	North Atlantic
03	SE	SouthEast
04	TR	Tennessee River
05	OR	Ohio River
06	LE	Lake Erie
07	UM	Upper Mississippi River
08	LM	Lake Michigan
09	MR	Missouri River
10	SM	South Central Lower Mississippi River
[illegible]	CR	Colorado River
12	WG	Western Gulf
13	PN	Pacific Northwest
14	CL	California
15	GB	Great Basin
16	AL	Alaska
17	HA	Hawaii
18	PR	Puerto Ricc
19	VI	Virgin Islands
20	O[illegible]	Oceania
21	[illegible]	Lake Huron
22	[illegible]	Lake Superior
23	[illegible]	Hudson Bay

Specific Basin Numbers (listed by geographic region)

01 NE Northeast

01	Quinnipiac River & Western Conn Coastal
02	Housatonic River
03	Pawcatuck River & Eastern Conn Coastal
04	Connecticut River
05	Thames River
06	Narragansett Bay
08	Massachusetts Coastal
09	Merrimack River
10	Piscataqua River & New Hampshire Coastal
12	Saco River and South Maine Coastal
14	Presumpscot River and Casco Bay
15	Androscoggin River
16	Kennebec and Sheepscot Rivers
17	Penobscot River
18	North Maine Coastal
19	St. Croix River
20	St. Johns River
21	Lake Memphremagog
24	Lake Champlain
25	St. Lawrence River
26	Lake Ontario Shre - Oswego River to St. Lawrence River
27	Niagara River
28	Genessee River
29	Oswego River
30	Mohawk River
31	Upper Hudson River
32	Middle Hudson River
33	Lower Hudson-New York Metropolitan Area
34	New Jersey Coast
35	Lake Erie Shore & Minor Tributaries
36	Lake Ontario Shore - Genessee R - Oswego R
37	Lake Ontario Shore - Niagara R to Genessee R
38	St. Regis River

02 NA North Atlantic

03	Delaware River - Zone 1
04	Delaware River - Lehigh
05	Delaware River - Schuylkill
06	Delaware River - Zone 2
07	Delaware River - Zone 3
08	Delaware River - Zone 4
12	Susquehanna River
13	Upper Chesapeake Bay & MD-Del Coastal Del-Marva
14	Potomac River
15	Rappahannock and York Rivers - Virginia Coast
16	James River

03 SE Southeast

01	Chowan River
02	Roanoke River
03	Tar River
04	Neuse River
05	North Carolina Coastal Area
06	Cape Fear River
07	Yadkin-Pee Dee-Lower Pee Dee River
08	Catawba-Wateree,Congaree,Santee-Cooper Reservoir
09	Edisto-Combahee River
13	Savannah River
14	Oqeechee River
15	Ocomee River
16	Ocomulqee River
17	Altamaha River
18	Satilla River
19	St. Marys-Nassau River
20	St. Johns River
21	Suwannee River
22	Ochlockonee-St. Marks River
23	Withlacoochee River
24	Tampa Bay Area
25	Peace River
26	Kissimmee River
27	Florida East Coastal Area
28	Lower Florida Area
29	Flint River
30	Chattachoochee River
31	Apalachicola River
32	Choctawatchee River
33	Perdido - Escambia River
34	Tallapoosa River
35	Coosa River
36	Cahaba River
37	Alabama River
38	Upper Tombiqbee River
39	Warrior River
40	Lower Tombigbee River
41	Mobile Bay Area
42	Pasacagoula River
43	Pearl River

04 TR Tennessee River

01	Clinch River
02	Holston River
03	French Broad River
04	Little Tennessee River
05	Hiwassee River
06	Elk River
07	Duck River
08	Tennessee River - Main Stem & Minor Tribs

05 OR Ohio River

01	Allegheny River
02	Monongahela River
03	Beaber River
04	Muskingum River
05	Little Kanawha River
06	Hocking River
07	Kanawha River
08	Guyandot River
09	Big Sandy River
10	Scioto River
11	Little Miami River
12	Licking River
13	Miami River
14	Kentucky River
15	Salt River
16	Green River
17	Wabash River
18	East Fork White River
19	West Fork White River
20	Cumberland River
21	Ohio River Main Stem & Minor Tributaries

06 LE Lake Erie

01	Maumee River
02	Sandusky River
03	Cuyahoga River
04	Lake Erie Shore-Maumee R to Sandusky River
05	Lake Erie Shore-Sandusky R to Cuyahoga River
06	Lake Erie Shore-Cuyahoga R to N. Y. State Line
11	Raisin
12	Huron
13	Detroit
14	Clinton
15	St. Clair

07 UM Upper Mississippi River

03	Upper Portion Upper Mississippi River
04	Minnesota River
05	St. Croix
06	Lower Portion Upper Mississippi River
07	Wisconsin River
08	Mississippi-Wapsipinicon and Tributaries
09	Rock River
10	Mississippi-Iowa-Cedar Rivers
11	Mississippi-Des Moines-Skunk Rivers
12	Mississippi-Salt Rivers
13	Chicago-Calumet Res.-Des Plaines River

15	Kankakee River
16	Fox River
17	Illinois River
18	Mississippi-St. Louis Area
19	Meramec River
20	Kaskaskia River
21	Big Muddy River
22	Mississippi River-Cape Girardeau Area

08 LM Lake Michigan

03	Menominee
04	Cedar
05	Ford
06	Escanaba
07	Rapid
08	Whitefish
09	Sturgeon
10	Fishdam
11	Manistique
12	Millecoquins
13	Bear
14	Pine
15	Elk
16	Boardman
17	Platte
18	Betsie
19	Manistee
20	Big Sable
21	Pere Marquette
22	Pentwater
23	White
24	Green Bay Western Shore
25	Fox River-Wolf Creek
26	Lake Michigan Western Shore
27	Muskegon
28	Grand
29	Black River at Lake Macatawa
30	Kalamazoo
31	Black River at South Haven
32	St. Joseph River
33	Galien
49	Calumet-Burns Ditch Complex

09 MR Missouri River

01	Upper Missouri R-Headwaters to Milk River
02	Yellowstone River
03	N Central Missouri From Milk River to Spring Creek
04	S Central Missouri Spring Creek to Niobrara River
05	Niobrara River

06	James River
07	Big Sioux River
08	Lower Platte R from North Platte
09	North Platte River
10	South Platte River
11	Kansas River
12	Lower Missouri R from Niobrara R
13	Grand-Chariton Rivers
14	Osage-Gasconade Rivers

10 SM South Central Lower Mississippi River

01	Upper Arkansas R above Kansas-Colorado State Line
02	Ark R Kansas-Colorado State Line to Tulsa
03	Verdigris River
04	Grand Neosho River
05	White River
06	Lower Mississippi R - Cairo to Helena Ark
07	Cimarron River-New Mex-Colo-Kansas & Okla
08	North Canadian River
09	Arkansas R--Tulsa to Van Buren
10	Arkansas River--Van Buren to Mouth
11	Lower Mississippi River-Yazoo River
12	South Canadian River--Above Tex-Okla State Line
13	South Canadian River--Below Tex-Okla State Line
14	Washita River
15	Upper Red River--Above Denison
16	Lower Red River--Below Denison
17	Ouachita River
18	Lower Mississippi River--Big Black River
19	Atchafalaya River
20	Calcasieu River
21	Lower Mississippi River--Natchez to Gulf

11 CR Colorado River

01	Lower Colorado River
02	Middle Colorado River-San Juan River
03	Upper Colorado River
04	Gila River
05	Little Colorado River
06	Green River
20	Dead Basin 01
21	Dead Basin 02
22	Dead Basin 03
23	Dead Basis 04
24	Dead Basis 05
25	Dead Basis 06
26	Dead Basis 07
27	Dead Basis 08
28	Dead Basis 09
29	Dead Basis 10

12 WG Western Gulf

01 Sabine River
02 Neches River
03 Trinity & San Jacinto Rivers
04 Brazos River
05 Colorado River
06 Guadelupe Lavaca and San Antonio Basis
07 Nueces River
08 Upper Pecos River
09 Rio Grande Upper Above Pecos River
10 Rio Grande Lower Below Pecos River

13 FN Pacific NorthWest

01 Kootenai River
02 Clark Pork-Pend Oreille River
03 Spokane River
04 Yakima River
05 Columbia River above Yakima River
06 Upper Snake River
07 Central Snake River
08 Middle and Lower Snake River
09 Willamette River
10 Columbis River Below Yakima River
11 Puget Sound
12 Washington Coast
13 Oregon Coast
14 Southern Oregon Lakes

14 CL California

01 Klamath River
02 North Coastal
03 San Francisco Bay Region
04 Central Coastal
05 Santa Clara River
06 Los Angeles River
07 Santa Ana River
08 San Diego Coastal Region
09 Sacramento River
10 San Joaquin River'
11 Kings and Kern Rivers and Tulare Lake

15 GB Great Basin

01 NorthWestern Lahontan
02 Humboldt River
03 Central Nevada
04 Owens River

05 Majave River
06 Colorado River Basin Region of California
07 Great Salt Lake
08 Sevier River

16 AL Alaska

01 Arctic Slope (Colville & Sagavahirktok Res)
02 N W (Kotsevur Sound, Noatak & Kobuk Res)
03 Yukon River
04 Kuskokwim River
05 Bristol Bay - Nushagak & Mulchatna Rivers
06 Southern Alaska Penisula
07 East Cook Inlet - Susitna River
08 Kenai & Knik Arm Rivers
09 Kodiak Island
10 Copper River
11 Yakutat Bay
12 SouthEastern Alaska

17 HA Hawaii

01 Hawaii
02 Honolulu Oahu Island
03 Kauai Co-Kauai, Miihau, & Small Islands
04 Maui-Kalawao Co

18 PR Puerto Rico

Puerto Rico

19 VI Virqin Islands

Virqin Islands

20 OC Oceania

01 Guam
02 Mariana Islands
03 Palau
04 Yap
05 Ponape
06 Truk
07 Marshall Islands
08 American Samoa

21 LH Lake Huron

01 Cherry Creek

02	Pigeon
03	Wiscoggin
04	Saginaw
05	Kawkawlin
06	Rifle
07	Augres
08	Ausable
09	Black (at Black River)
10	Thunder Bay
11	Swan Creek
12	Ocqueoc
13	Cheboygan
14	Carp
15	Pine
16	Munuscong
17	Charlotte
18	Waiska
22 LS	Lake Superior
01	Pendills
02	Tahquamenon
03	Two Hearted
04	Autrain
05	Chocolay
06	Carp
07	Salmon Trout
08	Sturgeon (Houghton County)
09	Tobacco
10	Portage Lake
11	Misery
12	Ontonagon
13	Iron
14	Presque Isle
15	Montreal
23	Wisc & Minn Drainage
23 HB	Hudson Bay
01	Red River of the North
02	Rainy River
03	Devils Lake Area
04	Souris River

Code Name: Latitude

Catalogue Number: 248

CVT File: PW

Requested by EPA to be reported: No

Maximum number of values permitted: 260 (at the discretion of the State, this value may be reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code:* DDDMMSS where
DDD = degrees
MM = minutes
SS = seconds

Description: This is a seven digit numeric value identifying the latitude of a water source. The acceptable values for latitude consist of a minimum and maximum value for each county of each State excluding Alaska, Puerto Rico, American Samoa, Guam, Virgin Islands, and the Trust Territories. Although this data element is not required for federal reporting, it is recommended that the values provided be utilized.

Acceptable Values:

See catalogue number 159, County Code, acceptable values.

*Since there are two values for this data element, a minimum and a maximum latitude, a special procedure must be followed for entering this data on the Code Value Table Input Form, Exhibit MSIS.103.

Step 1. The catalogue number, 248, is entered in cc4-6;

Step 2. The County code, catalogue #159, is entered in cc7-9;

Step 3. The number '3' is entered in cc16

Step 4. The minimum latitude value is entered in cc17-23; and

Step 5. The maximum latitude value is entered in cc25-31.

The above steps are repeated for each county of the State.

Code Name: Longitude

Catalogue Number: 249

CVT File: PW

Requested by EPA to be reported: No

Maximum number of vales permitted: 260 (at the discretion of the State, this value may be reduced by modifying the COBOL copy WSCVTPWS)

Structure of Code:* DDDMMSS where
DDD = degrees
MM = minutes
SS = seconds

Descriptions: This is a seven digit numeric value identifying the longitude of a water source. The acceptable values for longitude consist of a minimum and maximum value for each county of each State excluding Alaska, Puerto Rico, American Samoa, Guam, Virgin Islands, and the Trust Territories. Although this data element is not required for federal reporting, it is recommended that the values provided be utilized.

Acceptable Values:

See catalogue number 159, County Code, acceptable values.

*Since there are two values for this data element, a minimum and a maximum longitude, a special procedure must be followed for entering this data on the Code Value Table Input Form, Exhibit MSIS.103.

Step 1. The catalogue number, 249, is entered in cc4-6;

Step 2. The County code, catalogue #159, is entered in cc7-9;

Step 3. The number '3' is entered in cc16;

Step 4. The minimum longitude value is entered in cc17-23; and

Step 5. The maximum longitude value is entered in cc25-31.

The above steps are repeated for each county of the State.

Code Name: Laboratory Owner Type Code

Catalogue Number: 321

CVT File: LB

Requested by EPA to be reported: No

Maximum number of values permitted: 15

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the owner of a laboratory. Initial acceptable values have been defined through the cooperative efforts of the SouthWestern Ohio Regional Computer Center; the U.S. EPA, Office of Water Supply; and the MSIS Subcommittee of the Conference of State Sanitary Engineers.

Acceptable Values:

Code*	Description
C	Commercial
D	Dairy
F	Federal Installation
G	Federal Other
H	Health Facility
I	Indian Reservation
L	Local
O (letter)	Other
P	Private
S	State
U	University
W	Public Water System
0 (zero)	Other
1	Indian Reservation

*may be reassigned and/or expanded by the State

Code Name: Violation Type Code

Catalogue Number: 343

CVT File: MS

Requested by EPA to be reported: Yes

Maximum number of values permitted: 10

Structure of Code: None

Description: This is a two digit numeric code identifying the type of violation existing in a Public Water System. Initial acceptable values were defined by the SouthWestern Ohio Regional Computer Center.

Acceptable Values:

Code	Description
01	Single sample MCL
02	Average MCL
03	Regular sampling
04	Check (repeat) sampling
05	State notification
06	Public notification
07	Treatment techniques
08	V or E compliance schedule
09	Record keeping
10	Operations report

Code Name: Plaintiff Type Code

Catalogue Number: 435

CVT File: EA

Requested by EPA to be reported: Yes

Maximum number of values permitted: 26

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the type of plaintiff involved in an enforcement action case involving a Public Water System. Initial acceptable values were defined by the U.S. EPA, Office of Water Supply.

Acceptable Values:

Code	Description
A	Municipal authority
C	Conservation organization
F	Federal government
G	Group action (class)
I	Industrial organization
M	Municipal government
N	County government
O (letter)	Other organizations
P	Private citizen
S	State government
W	Water supply owner
0 (zero)	Other organization
1	Industrial organization

Code Name: Defendant Type Code

Cataloque Number: 437

CVI File: EA

Requested by EPA to be reported: Yes

Maximum number of values permitted: 26

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the type of defendant involved in an enforcement case. Initial acceptable values were defined by the U.S. EPA, Office of Water Supply.

Acceptable Values:

Code	Description
F	Federal pollution source
I	Industrial pollution source
M	Municipal pollution source
N	County pollution source
O (letter)	Other pollution source
P	Private citizen
S	State pollution source
W	Water supply owner
0 (zero)	Other pollution source
1	Industrial pollution source

Code Name: Legal Status Code

Catalogue Number: 449

CVT File: EA

Requested by EPA to be reported: Yes

Maximum number of values permitted: 26

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the status of an enforcement action case. This provides a means of maintaining a record of the progress of an enforcement case. Initial acceptable values were defined by the U.S. EPA, Office of Water Supply.

Acceptable Values:

Code	Description
0 (zero)	Other
1	Civil action
2	Complaint filed
3	Briefs filed
4	Pretrial held
5	Hearing scheduled
6	Hearing held
7	Oral arguments heard
8	Injunction requested
9	TRO requested
A	Preliminary motions filed
B	Summary motion filed
C	Order, Injunction, TRO final
D	Judgement
E	Penalty
F	Consent agreement signed
G	Post trial motions filed
H	Notice of appeal
I	Civil action
J	Stay pending appeal
K	Appeal pending
L	Appeal resolved
M	Compliance achieved
N	Pending deletion
O (letter)	Other
Z	Complaint filed

Code Name: Enforcement Action and V or E Milestone Code

Catalogue Number: 454

CVI File: MS

Requested by EPA to be reported: No

Maximum number of values permitted: 26

Structure of Code: None

Description: This is a two digit numeric code describing a milestone of an enforcement action, variance, or exemption. Initial acceptable values have been defined by the U.S. EPA, Office of Water Supply.

Acceptable Values:

Code*	Description
01	Letter to PWS from State WSP
04	Adm. Hearing - PWS and State WSP
07	Other State Adm. procedure
10	Injunction sought
13	Fine levied on PWS
16	Other civil action
19	Explore alt. sources of water
22	Explore regional sys. develop
25	Financial aid obtained
28	Treatment system designed
31	Treatment system approved
34	Treatment system built
37	Periodic monitoring req'd.

* May be reassigned and/or expanded by the State.

Code Name: Variance/Exemption Status Code

Catalogue Number: 461

CVT File: VE

Requested by EPA to be reported: No

Maximum number of values permitted: 20

Structure of Code: None

Description: This is a one digit alphanumeric code which identifies the status of a requested or existing variance or exemption. Initial acceptable values have been defined by the U.S. EPA, Office of Water Supply.

Acceptable Values:

Code*	Description
A	Interest in V or E expressed
C	Application for V or E rec'd
E	State proposes to deny V or E
G	State proposes to grant V or E
I	Hearing on proposal scheduled
K	Hearing on proposal held
M	Compliance schedule prescribed
O (letter)	Hearing on schedule offered
Q	Hearing on schedule held
R	Additional information desired
S	V or E granted
T	V or E denied
U	State sets monitoring req'm
V	EPA sets monitoring req'm
W	Notification given to public
X	Other
Y	Notification given to EPA
Z	Pending deletion
0 (zero)	Hearing on schedule offered
1	Hearing on proposal scheduled

*Do not change the code of S - this code initiates the generation of an update transaction to the Public Water System Inventory Subsystem.

*Do no change the code of Z - this code signifies that a milestone is pending deletion. The number 2 does not have the same meaning. Other values may be reassigned or provided at the discretion of the State.

Code Name: Treatment Method Code

Catalogue Number: 465

CVT File: VE

Requested by EPA to be reported: No

Maximum number of values permitted: 20

Structure of Code: None

Description: This is a three digit numeric code identifying a required treatment technique. As of the date of publication of this document, required treatment techniques have not been established by the U.S. EPA. As such, the initial acceptable values established correspond to those treatment techniques specified on the Public Water System Inventory Subsystem, Record Creation and Maintenance Form. These same treatment techniques were utilized on the U.S. EPA, Inventory of Public Water Supplies Input Form, EPA Form 7500-11 (9-74).

Acceptable Values:

Code*	Description
020	Aeration
040	Prechlorination
060	Coagulation
080	Sedimentation
100	Filtration
120	Corrosion control
140	Softening
160	Taste and odor control
180	Iron removal
200	Ammoniation
220	Floride adjustment
240	Disinfection

* May be reassigned and/or expanded by the State.

Code Name: Alternate Treatment Method Code

Cataloque Number: 466

CVT File: VE

Requested by EPA to be reported: No

Maximum number of values permitted: 20

Structure of Code: None

Description: This is a three digit numeric code identifying alternate treatment techniques that a water system may be permitted to use in lieu of a required treatment technique. Since there are currently no required techniques, the initial acceptable values will most probably be less than comprehensive. The initial acceptable values have been defined through the cooperative efforts of the SouthWestern Ohio Regional Computer Center, the U.S. EPA, and the MSIS Subcommittee of the Conference of State Sanitary Engineers. Please note that more than the maximum number of values permitted, 20, are specified below. Therefore, it is intended to be at the discretion of the State as to which of the techniques listed will be utilized.

Acceptable Values:

Code*	Description
001	Lime coagulation
003	Precipitation
005	Sequestration
007	Straining
009	Screening
011	Desalination
013	Reverse osmosis
015	Manganese removal
017	Activated carbon (granular)
019	Activated carbon (powdered)
021	Fluoridation
023	Fluoride removal
025	U.V. disinfection
027	Ozone disinfection
029	Iodine disinfection
031	Chlorine disinfection
033	Chlorine dioxide
035	Breakpoint chlorination
037	Post - chlorination
038	Superchlorination
041	Carbon absorption
043	Electrodialysis
045	Distillation

047	Re-carbonation
049	Ion exchange
051	Flocculation
053	PH adjustment
055	Chemical oxidation
057	Absorbing agents
998	Other
999	No treatment required

*May be reassigned and/or expanded by the State

Code Name: Variance/Exemption Reason Code

Catalogue Number: 469

CVT File: VE

Requested by EPA to be reported: No

Maximum number of values permitted: 26

Structure of Code: None

Description: This is a two digit alphanumeric code identifying the reason for which a variance or exemption from a regulation was granted to a Public Water System. Initial acceptable values have been defined by the U.S. EPA, Office of Water Supply.

Acceptable Values:

Code*	Description
01	Cannot comply after treatment
03	Cannot afford facility construction
05	Funds pending
07	Facility construction pending
09	Unable to afford treatment
11	Treatment unnecessary
13	Treatment impractical
99	Other

*May be reassigned and/or expanded by the State

Code Name: Variance/Exemption Milestone Delay Code

Catalogue Number: 476

CVT File: VE

Requested by EPa to be reported: No

Maximum Number of Values permitted: 10

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the reason for which a milestone established for a variance or exemption was not reached as scheduled. Acceptable values, if any, are defined by the State. Milestone Delay codes must be unique.

Acceptable Values: (Example)

Code*	Description
1	Facility construction not completed
3	New water source not found
Z	Delete milestone

*Do not change the letter Z since this code initiates the deletion of a milestone when entered. The number 2 does not have the same meaning.

Code Name: Addressee Type Code

Catalogue Number: 479

CVT File: OM

Requested by EPA to be reported: No

Maximum number of values permitted: 26

Structure of Code: None

Description: This is a one digit alphanumeric code identifying the type of addressee on the Operator and Mailing File. Initial acceptable values have been assigned by the SouthWestern Ohio Regional Computer Center.

Acceptable Values:

Code*	Description
L	Laboratory Owner
O (letter)	Operator
P	→ Water Purveyor
S	Sanitary Engineer
W	Water Supply Owner
X	Other
0 (zero)	Operator

*Do not change the codes of O (letter) and 0 (zero) - these values are utilizes by the Operator and Mailing Subsystem program modules to segregate Operators from other addressee types. Other codes may be reassigned or produced at the discretion of the State.

Code Name: Analysis Method Code

Catalogue Number: 809

CVT File: LB

Requested by EPA to be reported: No

Maximum number of values permitted: 24

Structure of Code: XYY
X = contaminant group
YY = specific method

X (contaminant group) Values
0 = turbidity
1 = Inorganic
2 = Organic
3 = Microbiological
4 = Radionuclides
9 = Other

Description: This is a three digit numeric code identifying the method used to analyze water samples for a particular contaminant. Initial acceptable values have been defined by the SouthWestern Ohio Regional Computer Center based on analytical methods specified in the National Interim Primary Drinking Water Regulations.

Acceptable Values:

Code*	Description
001	Nephelometric
101	Atomic absorption
103	Flameless atomic absorption
105	Brucine colorimetric
107	Electrode
109	Cadmium reduction
111	Colorimetric, prelim distill.
201	Organochlorine pesticides
203	Chlorinated Phenoxy & Herbicides
301	DPN - Chlorine residual
303	Membrane filter
305	Fermentation tube - 10 ML
307	Fermentation tube - 100 ML
401	Gross Alpha & Beta, Method 302
403	Strontium-89, 90 Method 303
405	Total Radium, Method 304
407	Radium-226, Method 305
409	Tritium, Method 306
411	Cesium-134, ASTM D-2459
413	Uranium, ASTM D-2907

999 Other

*May be reassigned and/or expanded by the State as long as the code structure is maintained.

Notes:

1) Although codes have not been assigned to those analytical methods specified in the following publications, the analytical methods contained in these publications are also acceptable under the National Interim Primary Drinking Water Regulations.

Interim Radiochemical Methodology for Drinking Water, Environmental Monitoring and Support Laboratory, EPA-600/4-75-008, USEPA, Cincinnati, Ohio 45268

Procedures for Radiochemical Analysis of Nuclear Reactor Aqueous Solutions, H. L. Krieger and S. Gold, EPA-R4-73-014, USEPA, Cincinnati, Ohio, May 1973.

HASL Procedure Manual, Edited by John H. Harley. HASL 300, ERDA Health and Safety Laboratory, New York, N.Y. 1973.

2) Each of the analytical methods listed under acceptable values are described in detail in one of the following publications.

Methods for Chemical Analysis of Water and Wastes, Environmental Protection Agency, Office of Technology Transfer, Washington, D.C. 20460, 1974.

Method for Organochlorine Pesticides in Industrial Effluents, MDQARL, Environmental Protection Agency, Cincinnati, Ohio, November 28, 1973.

Methods for Chlorinated Phenoxy Acid Herbicides in Industrial Effluents, MDQARL, Environmental Protection Agency, Cincinnati, Ohio, November 28, 1973.

Standard Methods for the Examination of Water and Wastewater, 13th Edition, American Public Health Association, New York, N.Y., 1971.

1975 Book of ASTM Standards, Water and Atmospheric Analysis, Part 31, American Society for Testing and Materials, Philadelphia, PA (1975).

C. MSIS Required Data Elements in Alphabetical Sequence

Data Element Name	Catalogue Number
CSF-CONTAMINANT-ID	517
CSF-PWS-ID	516
CSF-SCHED-END-DATE	531
CSF-SCHED-NUM-SAMPLES	532
CSF-SCHED-START-DATE	530
CSF-SDF-CSPD-END	521
CSF-SDF-CSPD-START	520
CSF-SDF-RSPD-END	519
CSF-SDF-RSPD-START	518
CSF-SDS-CSPD-END	525
CSF-SDS-CSPD-START	524
CSF-SDS-RSPD-END	523
CSF-SDS-RSPD-START	522
CSF-VE-ALT-SPLG	529
CSF-VE-END-DATE	527
CSF-VE-MOD-MCL-VALUE	528
CSF-VE-START-DATE	526
CVT-CARD-CODE	279
CVT-CATALOGUE-NO	281
CVT-DATA-EL-DESC	284
CVT-DATA-EL-VALUE	282
CVT-DATA-LENGTH	283
CVT-FILE-ID	280
DET-CARD-CODE	285
DET-CATALOGUE-NO	287
DET-DATA-LENGTH	290
DET-FILE-ID	286
DET-FILE-START-POSITION	289
DET-HISTORY-CODE	293
DET-INPUT-LENGTH	291
DET-MNEMONIC-NAME	292
DET-START-POSITION	288
DVF-STATE-CODE	495
EAF-CASE-ID	430
EAF-LAST-UPDATE-DATE	450
EMT-CARD-CODE	294
EMT-ERROR-CODE	296
EMT-ERROR-MESSAGE	297
EMT-FILE-ID	295
LBT-ANALYSIS-METHOD	820
LBT-CONTAMINANT-GROUP	320
LBT-LAB-ID	319
LBT-LAB-NAME	322
LBT-OWNER-TYPE	321
LBT-RECORDS-ON-FILE	512
LBT-RECORDS-PER-TRACK	513
LBT-RELATIVE-RECORD	324
OEF-MAX-KEY	308
OEF-REST-OF-TRAN	309

OMF-ADDRESSEE-CITY	482	
OMF-ADDRESSEE-ID	478	
OMF-ADDRESSEE-NAME	480	
OMF-ADDRESSEE-STATE	483	
OMF-ADDRESSEE-STREET	481	
OMF-ADDRESSEE-TYPE	479	
OMF-ADDRESSEE-ZIP-CODE	484	
OMF-LAST-UPDATE-DATE	487	
PSF-ACTUAL-NUM-SAMPLES	419	
PSF-ANALYSIS-METHOD	407	
PSF-CHECK-SAMPLE-FEDERAL	422	
PSF-CHECK-SAMPLE-NUMBER	424	
PSF-CHECK-SAMPLE-STATE	423	
PSF-CONTAMINANT-ID	400	
PSF-DETL-ANALYSIS-DATE	411	
PSF-DETL-ANALYSIS-DECIMALS	410	
PSF-DETL-ANALYSIS-RESULT	409	
PSF-FEDERAL-VIOLATIONS	425	
PSF-LAB-ID	408	
PSF-PWS-ID	399	
PSF-RECORD-TYPE	406	
PSF-SAMPLE-DATE	403	
PSF-SAMPLE-ID-CODE	401	
PSF-SAMPLE-KEY	405	
PSF-SAMPLE-TIME	404	
PSF-SAMPLE-TYPE	402	
PSF-STATE-VIOLATIONS	426	
PSF-SUMM-MEAN-DECIMALS	417	
PSF-SUMM-MEAN-RESULT	416	
PSF-VIOLATION-DURATION	427	
PWF-ID	145	
PWF-PLANT-POPULATION-SERVED	183	
PWF-PLANT-SOURCE-CODE	244	
PWF-PLANT-SOURCES-NUMBER	242	
PWF-PLANT-TYPE	182	
PWT-HEADER-NO-OF-RECORDS	514	
PWT-HEADER-RECS-PER-TRK	515	
PWT-ID	266	
PWT-MAILING-CITY	269	
PWT-MAILING-NAME	267	
PWT-MAILING-STATE	270	
PWT-MAILING-STREET	268	
PWT-MAILING-ZIP-CODE	271	
PWT-PLANT-POPULATION-SERVED	277	
PWT-PLANT-SOURCE-CODE	703	
PWT-PLANT-TYPE	276	
RGF-ALFA-ANNUAL-COMP-4-SAMPLE	016	*
RGF-ALFA-COM-NONCOMM-BOTH	017	*
RGF-ALFA-CONTAMINANT-ID	001	
RGF-ALFA-FRACTION-MCL-SUBSTITU	014	*
RGF-ALFA-INITL-MONITOR-PERIOD	013	*
RGF-ALFA-MAX-GA-WITH-R228	008	*
RGF-ALFA-MAX-GA-WITHOUT-R228	007	*

```
RGF-ALFA-MAX-R226-ANNUAL-MONIT          010   *
RGF-ALFA-MCL-COMBINED-RADIUM            006   *
RGF-ALFA-MCL-GROSS-ALPHA                005   *
RGF-ALFA-MIN-NORM-MONITOR-FREQ          012   *
RGF-ALFA-MIN-VICL-MONITOR-FREQ          015   *
RGF-ALFA-NUM-SAMPLES-PER-YEAR           011   *
RGF-ALFA-REGU-LEVEL                     002
RGF-ALFA-R226-FOR-R228                  009
RGF-BACT-CHK-MIN-COLIFORM-BACT          118   *
RGF-BACT-CHK-MIN-DAILY-SAMPLES          116   *
RGF-BACT-CHK-MIN-NEG-PORTIONS           177   *
RGF-BACT-CHL-MAX-CHLORINE-LVL           121   *
RGF-BACT-CHL-MAX-PERCENT                120   *
RGF-BACT-CHL-MAX-TIME-RETEST            122   *
RGF-BACT-CHL-SAMPLES-IN-LIEU            119   *
RGF-BACT-CONTAMINANT-ID                 095
RGF-BACT-FH-MCL-FOR-PERCENT             113   *
RGF-BACT-FH-MIN-REQD-SAMPLES            112   *
RGF-BACT-FH-MONTHLY-MCL                 110   *
RGF-BACT-FH-PERCENT-SAMPLES             111   *
RGF-BACT-FH-SINGLE-SAMPLE-MCL           109   *
RGF-BACT-FT-MCL-FOR-PERCENT             108   *
RGF-BACT-FT-MIN-REQD-SAMPLES            107   *
RGF-BACT-FT-MONTHLY-MCL                 105   *
RGF-BACT-FT-PERCENT-SAMPLES             106   *
RGF-BACT-FT-SINGLE-SAMPLE-MCL           104   *
RGF-BACT-MF-MCL-FOR-PERCENT             103   *
RGF-BACT-MF-MIN-REQD-SAMPLES            102   *
RGF-BACT-MF-MONTHLY-MCL                 100   *
RGF-BACT-MF-PERCENT-SAMPLES             101   *
RGF-BACT-MF-SINGLE-SAMPLE-MCL           099   *
RGF-BACT-NCOM-SAMPLE-FREQ               126   *
RGF-BACT-NCOM-SAMPLING-PERIOD           125   *
RGF-BACT-NCOM-SEASONAL-CODE             124   *
RGF-BACT-REGU-LEVEL                     096   *
RGF-BACT-REQMNTS-MAX-SAMPLES            114   *
RGF-BACT-REQMNTS-SAMPLE-PERIOD          115   *
RGF-BETA-AVERAGE-COMPOS-SAMPLE          030   *
RGF-BETA-C-IODINE-MONIT-FREQ            037   *
RGF-BETA-C-IODINE131-CONS-SPL           040   *
RGF-BETA-C-NUM-IODINE-SAMPLES           035   *
RGF-BETA-C-NUM-STRONT-SAMPLES           036   *
RGF-BETA-C-STRONT-MONIT-FREQ            038   *
RGF-BETA-C-VIOL-MONIT-FREQ              039   *
RGF-BETA-COM-NONCOMM-BOTH               028   *
RGF-BETA-CONTAMINANT-ID                 018
RGF-BETA-EFFECTIVE-DATE                 021   *
RGF-BETA-MAJ-BETA-EM-CON-NUCL           026   *
RGF-BETA-MAJ-BETA-EM-NO-NUCL            025   *
RGF-BETA-MCL-ANNUAL-DOSAGE              022   *
RGF-BETA-MIN-POPULATION-ANNUAL          031   *
RGF-BETA-MONIT-GRD-WTR-REQD             029   *
RGF-BETA-N-NORM-MONIT-FREQ              033   *
```

RGF-BETA-M-NUM-SAMPLES-YEAR	032	*
RGF-BETA-M-NVIOL-MONIT-FREQ	034	*
RGF-BETA-REGU-LEVEL	019	*
RGF-BETA-STRONTIUM90-SCREENING	024	*
RGF-BETA-STRON89-CES134-CON-NU	027	*
RGF-BETA-TRITIUM-SCREENING	023	*
RGF-BPOP-CONTAMINANT-ID	127	*
RGF-BPOP-REGU-LEVEL	128	*
RGF-BPOP-TABLE-ID	129	*
RGF-BPOP-TBL-FROM-POPULATION	130	*
RGF-BPOP-TBL-SAMPLE-FREQ	132	*
RGF-BPOP-TBL-TO-POPULATION	131	*
RGF-CHME-COM-GRD-MIN-NEG	061	**
RGF-CHEM-COM-GRD-SAMPLE-FREQ	059	**
RGF-CHEM-COM-GRD-VIOL-FREQ	060	***
RGF-CHEM-COM-GRD-YRS-FST	058	**
RGF-CHEM-COM-SUR-MIN-NEG	065	*
RGF-CHEM-COM-SUR-SAMPLE-FREQ	063	*
RGF-CHEM-COM-SUR-VIOL-FREQ	064	***
RGF-CHEM-COM-SUR-YRS-FST	062	*
RGF-CHEM-CONTAMINANT-ID	041	
RGF-CHEM-MCL	046	*
RGF-CHEM-MCL-CHECK-PERIOD	056	*
RGF-CHEM-MCL-CHECK-SAMPLES	052	*
RGF-CHEM-MCL-DECIMALS	047	*
RGF-CHEM-MCL-HIGH-DECIMALS	051	*
RGF-CHEM-MCL-HIGH-LIMIT	050	*
RGF-CHEM-MCL-LOW-DECIMALS	049	*
RGF-CHEM-MCL-LOW-LIMIT	048	*
RGF-CHEM-MCL-MIN-TIME	055	*
RGF-CHEM-MCL-SEASONAL-CODE	053	*
RGF-CHEM-MCL-SPECIAL-CODE	054	*
RGF-CHEM-MCL-UNITS	045	*
RGF-CHEM-NCOM-GRD-MIN-NEG	070	*
RGF-CHEM-NCOM-GRD-SAMPLE-FREQ	068	***
RGF-CHEM-NCOM-GRD-VIOL-FREQ	069	***
RGF-CHEM-NCOM-GRD-YRS-FST	067	*
RGF-CHEM-NCOM-SUR-MIN-NEG	074	*
RGF-CHEM-NCOM-SUR-SAMPLE-FREQ	072	***
RGF-CHEM-NCOM-SUR-VIOL-FREQ	073	***
RGF-CHEM-NCOM-SUR-YRS-FST	071	*
RGF-CHEM-REGU-LEVEL	042	
RGF-EMIT-ANNUAL-CONCENT-EQUIV	080	*
RGF-EMIT-CONTAMINANT-ID	075	
RGF-EMIT-DETECTION-LIMIT	081	*
RGF-EMIT-REGU-LEVEL	076	
RGF-EMIT-TABLE-ID	077	
RGF-FLOR-CONTAMINANT-ID	083	
RGF-FLOR-REAS-CELS-HIGH	094	*
RGF-FLOR-REAS-CELS-LOW	093	*
RGF-FLOR-REAS-FAHR-HIGH	092	*
RGF-FLOR-REAS-FAHR-LOW	091	*
RGF-FLOR-REGU-LEVEL	084	

RGF-FLOR-TABLE-ID	085	
RGF-FLOR-TEMP-CELS-HIGH	089	*
RGF-FLOR-TEMP-CELS-LOW	088	*
RGF-FLOR-TEMP-FAHR-HIGH	087	*
RGF-FLOR-TEMP-FAHR-LOW	086	*
RGF-FLOR-TEMP-RANGE-MCL	090	*
RGF-TURB-ALL-SOURCES	140	*
RGF-TURB-CON-SAMPLE-FREQ	142	*
RGF-TURB-CONSECUTIVE-MCL	137	*
RGF-TURB-CONSECUTIVE-SAMPLES	138	*
RGF-TURB-CONTAMINANT-ID	133	
RGF-TURB-MIN-RESAMPLING-PERIOD	144	*
RGF-TURB-MONTHLY-MCL	136	*
RGF-TURB-NCON-SAMPLE-FREQ	143	*
RGF-TURB-REGU-LEVEL	134	
RGF-TURB-REPEAT-INCLUDED	141	*
SEF-CATALOGUE-NO	299	
SEF-ERROR-CODE	300	
SEF-TRANSACTION	298	
SHF-CUR-UPDATE-DATE	304	
SHF-DATA-ELEMENT-CODE	303	
SHF-FILE-ID	301	
SHF-LAST-UPDATE-DATE	305	
SHF-NEW-VALUE	307	
SHF-OLD-VALUE	306	
SHF-RECORD-ID	302	
VEF-ID	455	
VEF-PWS-ID	457	
VEF-VE-TYPE	458	
VIF-PWS-ID	326	
VIF-REGULATION-LEVEL	330	
VIF-VIOLATION-DATE	344	
VIF-VIOLATION-ID	803	
VIF-VIOLATION-TYPE	343	

* Required for Federal Regulations only
** Required for Federal Regulations only if for Inorganic Chemicals
Required for State Regulations only if for Organic Chemicals
*** Required for State Regulations only

D. EPA Required Data Elements in Alphabetical Sequence

Data Element Name	Catalogue Number
DVF-ALTERNATE-TREATMENT	502
DVF-ANALYSIS-DECIMAL	511
DVF-ANLAYSIS-METHOD	509
DVF-ANALYSIS-RESULT	510
DVF-CONTAMINANT-ID	498
DVF-DEVIATION-CODE	496
DVF-DEVIATION-ID	494
DVF-EXPIRATION-VIOLATION-DATE	504
DVF-LAB-OWNER-TYPE	508
DVF-MILESTONE-CODE	506
DVF-MODIFIED-FREQUENCY	503
DVF-MODIFIED-MCL	499
DVF-MODIFIED-MCL-DEC	500
DVF-PWS-ID	493
DVF-STATE-CODE	495
DVF-STATUS-CODE	497
DVF-TARGET-DATE	507
DVF-TREATMENT-CODE	501
DVF-VIOLATION-DURATION	505
EAF-ACTION-DATE	433
EAF-CASE-ID	430
EAF-CLOSE-OPEN-INDIC	434
EAF-DEFENDANT-TYPE	437
EAF-LAST-UPDATE-DATE	450
EAF-LEGAL-STATUS	449
EAF-PLAINTIFF-TYPE	435
EAF-PWS-ID	435
EAF-PWS-STATE	444
PWF-ID	145
PWF-OWNER-TYPE	237
PWF-PLANT-ACTIVITY	194
PWF-PLANT-AERATION	251
PWF-PLANT-AMMONIATION	260
PWF-PLANT-AVERAGE-PRODUCTION	186
PWF-PLANT-CITY	148
PWF-PLANT-COAGULATION	253
PWF-PLANT-GONSEC-INDICATOR	701
PWF-PLANT-CONSECUTIVE-NUM-PWS	180
PWF-PLANT-CORROSION-CNTRL	256
PWF-PLANT-DEACTIVATION-DATE	195
PWF-PLANT-DEACTIVATION-REASON	196
PWF-PLANT-DESIGN-CAPACITY	187
PWF-PLANT-DISINFECTION	262
PWF-PLANT-FILTRATION	255
PWF-PLANT-FLUORIDE-ADJUSTMENT	261
PWF-PLANT-INTERSTATE-CARRIER	181
PWF-PLANT-IRON-REMOVAL	259
PWF-PLANT-OTHER-TREATMENT	263
PWF-PLANT-OWNER-NAME	146

PWF-PLANT-POPULATION-SERVED	183	
PWF-PLANT-PRECHLORINATION	252	
PWF-PLANT-SEDIMENTATION	254	
PWF-PLANT-SELLER-ID	250	
PWF-PLANT-SERVICES-NUMBER	184	
PWF-PLANT-SOFTENING	257	
PWF-PLANT-SOURCE-CODE	244	
PWF-PLANT-SOURCE-NAME	243	
PWF-PLANT-STATE	149	
PWF-PLANT-STREET	147	
PWF-PLANT-TASTE-ODOR	258	
PWF-PLANT-TYPE	182	
PWF-PLANT-ZIP-CODE	150	
PWF-STATE-AIR-TEMPERATURE	217	
PWF-STATE-CHLORINE	210	
PWF-STATE-POSTAL-CODE	198	
PWF-STATE-RADIOACTIVE-FLAG	219	
PWF-STATE-REGULATE-BY	199	
PWF-STATE-TURBIDITY-UNITS	212	
PWF-VAEX-ALT-MONITOR-FREQ	241	**
PWF-VAEX-CONTAMINANT-ID	238	**
PWF-VAEX-MODIFIED-MCL	239	**
PWF-VAEX-MODIFIED-MCL-DEC	240	**
PWT-ID	266	
PWT-MAILING-CITY	269	
PWT-MAILING-NAME	267	
PWT-MAILING-STATE	270	
PWT-MAILING-STREET	268	
PWT-MAILING-ZIP-CODE	271	
PWT-PLANT-POPULATION-SERVED	277	
PWT-PLANT-SOURCE-CODE	703	
PWT-PLANT-TYPE	276	
RGF-BACT-CONTAMINANT-ID	095	*
RGF-CHEM-CONTAMINANT-ID	041	*
RGF-EMIT-CONTAMINANT-ID	075	*
RGF-TURB-CONTAMINANT-ID	133	*
VEF-CONTAMINANT-ID	462	
VEF-ID	455	
VEF-MODIFIED-MCL	463	
VEF-MODIFIED-MCL-DEC	464	
VEF-PWS-ID	457	
VEF-VE-TYPE	458	
VIF-ANALYSIS-DECIMALS	340	
VIF-ANALYSIS-RESULT	339	
VIF-CONTAMINANT-ID	331	
VIF-MCL-VIOL-DECIMALS	346	
VIF-MCL-VIOLATED	345	
VIF-PWS-ID	326	
VIF-SAMPLING-FREQ-VIOL	347	
VIF-VIOLATION-DATE	344	
VIF-VIOLATION-ID	803	
VIF-VIOLATION-TYPE	343	

* Depending Upon Application

** Not Required on the Record - No Warning if Missing